

08-18-1998

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Resalt Commissioner

100801072

a attached original documents or copy thereof

MD 5-8-98

1. Name of conveying party(ies):

UCAR CARBON FINANCE AND TRADING SA
39 OLD RIDGEBURY ROAD
DANBURY, CT 06817

- Individual(s)
- General Partnership
- Corporation-State
- Other
- Association
- Limited Partnership

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: 4/22/98

2. Name and address of receiving party(ies):

Name: THE CHASE MANHATTAN BANK

Internal Address:

Street Address: 270 PARK AVENUE

City: NEW YORK State NY ZIP: 10017

- Individual(s) citizenship
- Association
- General Partnership
- Limited Partnership
- Corporation-State NEW YORK
- Other

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No

(Designations must be a separate document from Assignment)

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration number(s):

A. Trademark Application No.(s)

B. Trademark registration No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: KAI KRAHMER

Internal Address: CRAVATH, SWAINE & MOORE

Street Address: 825 EIGHTH AVENUE

City: NEW YORK State: NY ZIP: 10019

6. Total number of applications and registrations involved: 25

7. Total fee (37 CFR 3.41): \$ 640⁰⁰ E

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

KAI KRAHMER
Name of Person Signing

Signature

5/6/98

Date

Total number of pages comprising cover sheet

REEL: 1769 FRAME: 0001

28?

MARK	NUMBER	DATE	RENEWAL
DURACAST	2,003,368	09/24/96	09/24/06
DURAGRAPH	090,795	08/24/90	
E-Z CORNER	74/479,874	01/18/94	
EXPANDOGRAF	75/194,888	11/08/96	
GH	072,687	06/25/90	
GLAS-GRAF	1,514,211	11/29/89	11/29/99
GRAFGUARD	2,111,370	11/04/97	11/04/07
GRAFKOTE	1,812,925	12/21/93	12/21/03
GRAFMAT	74/198,082	08/26/91	
GRAFOIL	758,239	10/15/83	10/15/03
GRAFOIL	850,235	06/04/88	06/04/08
GRAFOIL	950,172	01/09/73	01/09/93
GRAFOIL	1,681,196	03/31/92	03/31/02
GRAPHI-NAIL	74/449,472	10/22/93	
GRAPH-TOOL	1,702,837	07/28/92	07/28/02
GSP	1,546,426	07/04/89	07/04/09
GTS	1,569,027	12/05/89	12/05/99
RIBBON-PACK	1,541,522	05/30/89	05/30/09
SMART RAM	1,727,628	10/27/92	10/27/02
SOCKET MARKING FOR ELECTRODES DESIGN	418,218	12/11/85	12/11/05
SUPER GTO	75/309,150	06/16/97	
ACHESON GRAPHITE AND DESIGN	37,907	03/04/72	03/04/92
ACHESON GRAPHITE AND DESIGN	514,169	08/23/69	08/23/89
ACHESON GRAPHITE AND DESIGN	524,477	07/11/70	07/11/90
C-CAT	2,051,081	04/08/97	04/08/07

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: ACHESON GRAPHITE AND DESIGN
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: ERF

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 14680 6007-US?
 ORGN CODE: MISC

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
37,907	04/03/02	03/04/32	Y
37,907	03/04/32	03/04/52	Y
37,907	03/04/52	03/04/72	Y
37,907	03/04/72	03/04/92	N

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP

GOODS: GRAPHITE AND CARBON AND GRAPHITIC AND CARBONACEOUS PRODUCTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)		01/01/89 01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

ALLOWED TO LAPSE PER S. CASTO

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: ACHESON GRAPHITE AND DESIGN
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 22880 6007-US?
 ORGN CODE: MISC

STATUS: ERF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
514,169	08/23/49	08/23/69	Y
514,169	08/23/69	08/23/89	Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1N

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA
 DATE EVENT
 ALLOW TO LAPSE PER S. CASTO 4/27/89
 RESP

GOODS: GRAPHITE
 REGISTERED USERS/LICENSEES
 NAME AGREEMENT EXPIRES RECORDED ROLE
 UCAR CCI (SUCCESSIVE 1-YR PERIODS) 01/01/89 01/01/94 N L
 DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION
 COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: AGHESON GRAPHITE AND DESIGN
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: ERF

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 14678 6007-US?
 ORGN CODE: MISC

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
527,477	07/11/50	07/11/70	Y
527,477	07/11/70	07/11/90	Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 21N

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
	ALLOWED TO LAPSE PER S. CASTO 4/27/89	

GOODS: GRAPHITE ELECTRODES AND NIPPLES FOR JOINING SUCH ELECTRODES

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UGAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

DISCLAIMER: GRAPHITE AND THE REPRESENTATION OF AN ELECTRODE

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: C-CAT
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF
 COUNTRY: UNITED STATES
 1ST USE: 2/25/95
 BILL NO: 60-6001C
 FILE #: 150457 6056-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/455,328	11/08/93		
2,051,081	04/08/97	04/08/07	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 100.00
 AMOUNT PAID: 600.00
 DATE: 11/01/95

TICKLER DATA

DATE	EVENT	RESP
04/08/07	RENEWAL DUE	AU
04/07/04	APF/USE DUE TODAY	AU
10/08/03	APF/USE DUE BEFORE APRIL 8 2004	AU
04/08/03	APF/USE DUE BEFORE APRIL 8 2004	AU

NOTICE OF ALLOWANCE MAILING DATE 5/9/95

GOODS: CARBONACEOUS CEMENT CATALYST FOR JOINING OR BONDING CARBON AND GRAPHITE PRODUCTS, NAMELY ELECTRODES, BRICKS, CATHODE BLOCKS, SPECIALTY GRAPHITE AND REFRACTORY SHAPES.

REGISTERED USERS/LICENSEES	AGREEMENT	EXPIRES	RECORDED	ROLE
NAME				

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: ACHESON GRAPHITE AND DESIGN
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 14680 6007-US?
 ORGN CODE: MISC

STATUS: ERF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
37,907	04/03/02	03/04/32	Y
37,907	03/04/32	03/04/52	Y
37,907	03/04/52	03/04/72	Y
37,907	03/04/72	03/04/92	N

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP

GOODS: GRAPHITE AND CARBON AND GRAPHITIC AND CARBONACEOUS PRODUCTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERLYINGS

LITIGATION

COMMENTS

ALLOWED TO LAPSE PER S. CASTO

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: ACHESON GRAPHITE AND DESIGN
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: 22880 6007-US?
 ORGN CODE: MISC

STATUS: ERP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
514,169	08/23/49	08/23/69	Y
514,169	08/23/69	08/23/89	Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1N

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE EVENT
 ALLOW TO LAPSE PER S. CASTO 4/27/89
 RESP

GOODS: GRAPHITE

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 1-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: ACHESON GRAPHITE AND DESIGN
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 14678 6007-US?
 ORGN CODE: MISC

STATUS: ERF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
527,477	07/11/50	07/11/70	Y
527,477	07/11/70	07/11/90	Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 21N

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
	ALLOWED TO LAPSE PER S. CASTO 4/27/89	

GOODS: GRAPHITE ELECTRODES AND NIPPLES FOR JOINING SUCH ELECTRODES

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

DISCLAIMER: GRAPHITE AND THE REPRESENTATION OF AN ELECTRODE

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: C-CAT
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: UNITED STATES
 1ST USE: 2/25/95
 BILL NO: 60-6001C
 FILE #: 150457 6056-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/455,328	11/08/93		
2,051,081	04/08/97	04/08/07	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 100.00
 AMOUNT PAID: 600.00
 DATE: 11/01/95

TICKLER DATA

DATE	EVENT	RESP
04/08/07	RENEWAL DUE	AU
04/07/04	APF/USE DUE TODAY	AU
10/08/03	APF/USE DUE BEFORE APRIL 8 2004	AU
04/08/03	APF/USE DUE BEFORE APRIL 8 2004	AU

NOTICE OF ALLOWANCE MAILING DATE 5/9/95

GOODS: CARBONACEOUS CEMENT CATALYST FOR JOINING OR BONDING CARBON AND GRAPHITE PRODUCTS, NAMELY ELECTRODES, BRICKS, CATHODE BLOCKS, SPECIALTY GRAPHITE AND REFRACTORY SHAPES.

NAME	REGISTERED USERS/LICENSEES	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP
 COUNTRY: UNITED STATES
 1ST USE: 4/25/95
 BILL NO: 60-6001C
 FILE #: 149396 6114-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/454,090	11/04/93		
2,003,368	09/24/96	09/24/06	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19
 LAST BILL: 210.00
 AMOUNT PAID: 500.00
 DATE: 11/01/93

TICKLER DATA

DATE	EVENT	RESP
09/24/06	RENEWAL DUE	AU
09/23/02	APF/USE DUE TODAY	AU
03/24/02	APF/USE DUE BEFORE SEPT 24 2002	AU
09/24/01	APF/USE DUE BEFORE SEPT 24 2002	AU

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATING
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURAGRAPH
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: ITU
 BILL NO: 60-6001C
 FILE #: 118731 6114-US
 ORGN CODE: CARB

STATUS: AAF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
090,795	08/24/90		

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL: 175.00
 AMOUNT PAID: 445.00
 DATE: 08/22/90

TICKLER DATA

DATE	EVENT	RESP
	ABANDONED PER CLIENT'S INSTRUCTIONS	

GOODS: FLEXIBLE GRAPHITE MATERIALS CONTAINING A CERAMIC CLOTH INTERLAYER FOR
 USE AS GASKETING MATERIALS IN SEALING APPLICATIONS INVOLVING FLUIDS
 OR GASES.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERPRAKINGS

LITIGATION

COMMENTS

TRADEMARKSEARCH 5/15 OKAY PER MITT BURNS 4/26/1991
 ABANDON APPLICATION NOTICE OF ABANDONMENT RECEIVED FROM
 PTO OCT 7 1991

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: E-Z CORNER
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: AAF

COUNTRY: UNITED STATES
 1ST USE: ITU
 BILL NO: 60-6001C
 FILE #: 151941 6118-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/479,874	01/18/94		

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL: 245.00
 AMOUNT PAID: 245.00
 DATE: 01/12/94

TICKLER DATA

DATE	EVENT	RESP

GOODS: CARBONACEOUS REFRACTORY SHAPES FOR USE IN METALLURGICAL VESSELS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

ALLOWED TO GO ABANDONED PER O. HOTCHKISS 3/11/96; REC'D PTO NOTICE OF
 ABANDONMENT AUG 19 1996.

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: EXPANDOGRAF
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: APA

COUNTRY: UNITED STATES
 1ST USE: ITU
 BILL NO: 60-6001C
 FILE #: 164365 6604-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
75/194,888	11/08/96		

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 245.00
 AMOUNT PAID: 245.00
 DATE: 11/06/96

TICKLER DATA

DATE	EVENT	RESP
08/04/98	ST/USE DUE TODAY	MD
06/05/98	ST/USE DUE BEFORE AUGUST 5	MD

GOODS: FLEXIBLE GRAPHITE SHEET GASKET MATERIAL FOR USE IN INDUSTRIAL APPLICATIONS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GH
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: AAP
 COUNTRY: UNITED STATES
 1ST USE: 10/25/88
 BILL NO: 60-6001C
 FILE #: 6169-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
072,687	06/25/90		

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17
 LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP

GOODS: METAL REINFORCED FLEXIBLE GRAPHITE LAMINATE FOR USE AS GASKETS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

APPLICATION ABANDONED PER M. BURNS (PRIOR GH CITED) ... PTO NOTICE OF
 ABANDONMENT RECEIVED AUG 23 1991...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GLAS-GRAP
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: 17034
 FILE #: 6170-US
 ORGN CODE: CARB

STATUS: ERP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
722,907	04/18/88		
1,514,211	11/29/89	11/29/99	Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP

GOODS: GRAPHITE USED TO MAKE TOOLING, AND EQUIPMENT FOR HANDLING GLASS AND
 GLASS PRODUCTS

REGISTER:) USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

PUBLISHED FOR OPPOSITION SEPT 6 1988... APF/USE NOT FILED;
 REGISTRATION LAPSED

MARK: GRAFGUARD
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: ITU
 BILL NO: 60-6001C
 FILE #: 161726 6587-US
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
75/106,979	05/20/96		
2,111,370	11/04/97	11/04/07	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 9

LAST BILL: 100.00
 AMOUNT PAID: 1867.00
 DATE: 08/11/97

TICKLER DATA

DATE	EVENT	RESP
11/04/07	RENEWAL DUE	
11/03/03	APF/USE DUE TODAY	MD
05/04/03	APF/USE DUE BEFORE NOVEMBER 4	MD
11/04/02	APF/USE DUE BEFORE NOVEMBER 4 2003	MD

NOTICE/ALLOWANCE MAILING DATE 4/1/97

GOODS: GRAPHITE PARTICLES FOR USE IN THE MANUFACTURE OF FIRE RETARDANT PRODUCTS (PER EXAMINER'S AMENDMENT DATED 102196...

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

ALSO SEARCHED CHARGUARD... APPLICANT IS OWNER OF REG. NOS. 1,681,196 FOR GRAFOIL AND 1,812,925 FOR GRAFKOTE (BY EXAMINER'S AMENDMENT OF 10/21/96)...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFKOTE
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: UNITED STATES
 1ST USE: ITU
 BILL NO: 60-6001C
 FILE #: 126507 6176-US
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
74/217,903	11/01/91		
1,812,925	12/21/93	12/21/03	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 100.00
 AMOUNT PAID: 530.00
 DATE: 06/15/93

--- TICKLER DATA ---

DATE	EVENT	RESP
12/21/03	RENEWAL DUE	AU
12/20/99	AFI/USE DUE TODAY	AU
06/21/99	AFI/USE DUE DECEMBER 21	AU
12/21/98	AFI/USE DUE DECEMBER 21	AU

GOODS: FLEXIBLE GRAPHITE AND POLYMER COMPOSITE SHEETS AND ROLLS FOR USE AS GASKETS IN THE FLUID SEALING AND INTERNAL COMBUSTION ENGINE INDUSTRIES.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

CONSENT GIVEN BY DIXON TICCONDEROGA TO USE GRAFKOTE FOR RESTRICTED GOODS: FLEXIBLE GRAPHITE AND POLYMER COMPOSITE SHEETS AND ROLLS.

--- LITIGATION ---

--- COMMENTS ---

ALSO SPELLED GRAFKOTE. ALSO CONSEARCHED GRAFLENE AND GRAFLENE. ADDITIONAL PRELIMINARY SEARCHES WERE DONE AT THIS TIME FOR: MONOFILM, MONOGRAF, MONOFOLI, SOLOSEAL, SOLOGRAF, GRAFPLAS, GRAF-PLUS, GRAFILM, THERMOCARB, PLASTI-KOTE, SUPER-GRAF, TUFF-FOLI, AND EXTRA. AS A RESULT, MONOGRAF/MONOGRAPH, THERMOCARB, PLASTI-KOTE, AND EXTRA WERE ELIMINATED FROM CONTENTION.

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

PAGE 37
05/05/98

MARK: GRAFMAT
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: AAF

COUNTRY: UNITED STATES
1ST USE: ITU
BILL NO: 60-6001C
FILE #: 6179-US
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/198,082	08/26/91		

LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES: 7

LAST BILL: 175.00
AMOUNT PAID: 430.00
DATE: 08/21/91

TICKLER DATA

DATE	EVENT	RESP

GOODS: LOW DENSITY FLEXIBLE GRAPHITE MATS FOR USE IN THE METALURGICAL
INDUSTRY.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

PRODUCT WILL BE USED INTERNALLY ONLY BY OTHER MANUFACTURING PLANTS
AND WILL NOT BE USED IN SALES WITH THIRD PARTIES. (PER F. H. BURNS,
4/16/92)..... NOTICE OF ABANDONMENT RECEIVED OCT 22
1992.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: BILL NO: 60-6001C
 FILE #: 16934 6180-0S?
 ORGN CODE: CARB

STATUS: IRF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
758,239	10/15/63	10/15/83	Y
758,239	10/15/83	10/15/03	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: IN

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE EVENT RESE
 10/15/02 RENEWAL DUE

GOODS: GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, SHEETS, STRIPS, TAPES, RIBBONS, STRANDS, AND FILAMENTS FOR GENERAL USE IN THE INDUSTRIAL ARTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L
UCTC TO UCCI ORIGINAL AGREEMENT	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOIL).....

LITIGATION

COMMENTS

HIGH TEMPERATURE MATERIALS, INC. MERGED WITH UCC MARCH 1, 1966,
 RECORDED MARCH 29 1966, REEL 136 FRAME 526

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOFIL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 16936 6180-US?
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
850,235	06/04/88	06/04/88	Y
850,235	06/04/88	06/04/88	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
06/04/08	RENEWAL DUE	

GOODS: GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UGAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L
UCTC TO UCCI ORIGINAL AGREEMENT	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFIL)

LITIGATION
 COMMENTS
 REN'L CERT RECEIVED 11/17/88

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: ERF

COUNTRY: UNITED STATES
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 16939 6180-US?
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
950,172	01/09/73	01/09/93	Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL:
 AMOUNT PAID:
 DATE:

--- TICKLER DATA ---

DATE	EVENT	RESP

GOODS: GRAPHITE FOAM

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L
UCTC TO UCCI ORIGINAL AGREEMENT	01/01/89	01/01/94	N	L

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

ALLOWED TO LAPSE PER MILT 30RNS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: 815

COUNTRY: UNITED STATES
 1ST USE: 4/7/88
 BILL NO: 60-6001C
 FILE #: 71273 6180-US?
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/073,353	06/27/90		
1,681,196	03/31/92	03/31/02	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 100.00
 AMOUNT PAID: 100.00
 DATE: 04/08/97

TICKLER DATA

DATE	EVENT	RESP
03/31/02	RENEWAL DUE	

GOODS: GRAPHITE PASTE FOR USE AS A PIPE THREAD SEALANT OR THREAD LUBRICANT;
 INJECTABLE GRAPHITE PARTICLE PACKING FOR USE IN PACKING STUFFING
 BOXES ON VALVES, PUMPS OR SLIDING JOINTS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCTC TO UCCI ORIGINAL AGREEMENT		01/01/89 01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERPAKINGS

WORLDWIDE CONSENT AND UNDERPAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFOIL)....

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAPHI-NAIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: 150455
 FILE #: 6182-US
 ORGN CODE: CARB

STATUS: AAP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/449,472	10/22/93		

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL: 100.00
 AMOUNT PAID: 600.00
 DATE: 02/23/95

TICKLER DATA

DATE	EVENT	RESP

GOODS: LOCKING PINS USED TO SECURE JOINTS ON ARC FURNACE ELECTRODE ASSEMBLIES.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

ABANDON PER O. HOTCHKISS 3/4/96... REC'D PTO NOTICE OF ABANDONMENT AUG 1 1996....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAPHI-TOOL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 6/19/87
 BILL NO: 60-6001C
 FILE #: 16953 6184-US

STATUS: IRP

ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
073,356	06/27/90		
1,702,837	07/28/92	07/28/02	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 7

LAST BILL: 100.00
 AMOUNT PAID: 100.00
 DATE: 11/04/97

--- TICKLER DATA ---

DATE	EVENT	RESP
07/28/02	RENEWAL DUE - APP/USE ACCEPTED MARCH 23 1998	

GOODS: GRAPHITE TOOLING SYSTEMS USED IN TOOLING CARBON AND/OR GRAPHITE
 COMPOSITES FOR USE IN THE DEF. USE, SATELLITE AND AEROSPACE INDUSTRIES.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCTC TO UCCI ORIGINAL AGREEMENT	01/01/89	01/01/94	N	L

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GSP
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP
 COUNTRY: UNITED STATES
 1ST USE: 9/9/87
 BILL NO: 60-6001C
 FILE #: 16420 6185-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
723,111	04/18/88		
1,546,426	07/04/89	07/04/09	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17
 LAST BILL: 200.00
 AMOUNT PAID: 200.00
 DATE: 03/16/95

TICKLER DATA

DATE	EVENT	RESP
07/04/09	RENEWAL DUE - APF/USE ACCEPTED 12/11/95	

GOODS: FLEXIBLE GRAPHITE PACKING MATERIAL USED FOR FLUID SEALING IN PUMPS
 AND VALVES IN THE VALVE AND PUMP PACKING INDUSTRY.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

PAGE 88
 05/05/98

MARK: GTS
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP
 COUNTRY: UNITED STATES
 1ST USE: 4/7/88
 BILL NO: 60-6001C
 FILE #: 22165 6188-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
784,266	03/03/89		
1,569,027	12/05/89	12/05/99	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1
 LAST BILL: 200.00
 AMOUNT PAID: 200.00
 DATE: 03/15/95

TICKLER DATA

DATE	EVENT	RESP
12/05/99	RENEWAL DUE - SEC.8&15 ACCEPTED 12/4/95	

GOODS: GRAPHITE PASTE USED AS PIPE THREAD SEALANT, IN CLASS 1.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE	
UCAR CARBON COMPANY INC.	5 YR. TERMS	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION
 COMMENTS
 FIRST USE: APRIL 7 1988

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: RIBBON-PACK
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF
 COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 16162 6348-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
723,722	04/21/88		
1,541,522	05/30/89	05/30/09	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17
 LAST BILL: 200.00
 AMOUNT PAID: 200.00
 DATE: 02/23/95

TICKLER DATA

DATE	EVENT	RESP
05/30/09	RENEWAL DUE - SEC 8&15 ACCEPTED 3/25/96	

GOODS: FLEXIBLE GRAPHITE PACKING MATERIALS USED FOR FLUID SEALING IN PUMPS,
 VALVES AND RELATED COMPONENTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERPAKINGS
 LITIGATION
 COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: SMART RAM
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: UNITED STATES
 1ST USE: 4/18/91
 BILL NO: 60-6001C
 FILE #: 120749 6385-US
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74/170,580	05/28/91		
1,727,628	10/27/92	10/27/02	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL: 175.00
 AMOUNT PAID: 345.00
 DATE: 05/00/91

TICKLER DATA

DATE	EVENT	RESP
10/27/02	RENEWAL DUE 815 ACCEPTED MARCH 3 1998	

GOODS: REFRACTORY RAMMING MIXES, IN CLASS 19.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCG TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: SOCKET MARKING FOR ELECTRODES DESIGN
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 19101 6388-US
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
418,218	12/11/45	12/11/65	Y
418,218	12/11/65	12/11/85	Y
418,218	12/11/85	12/11/05	Y

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
12/11/05	RENEWAL DUE	

GOODS: CARBON ELECTRODES AND GRAPHITE ELECTRODES

REGISTEP 3D USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

MARK: SUPER GTO
REGISTRANT: UGAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: APA

COUNTRY: UNITED STATES
1ST USE: ITU
BILL NO: 60-6001C
FILE #: 166154 6614-US
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
75/309,150	06/16/97		

LOCAL AGENT: ASSISTANT COMMISSIONER FOR TRADEMARKS
LITIGATION: N
ASSOCIATIONS: N
CLASSES: 17

LAST BILL: 245.00
AMOUNT PAID: 245.00
DATE: 06/10/97

TICKLER DATA

DATE	EVENT	RESP
08/01/98	CHECK STATUS	MD

GOODS: FLEXIBLE GRAPHITE SHEETS FOR USE IN INTERNAL COMBUSTION ENGINES AND
AUTOMOTIVE HEAT SHIELDING APPLICATIONS IN INT. CLASS 1.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
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DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

INTELLECTUAL PROPERTY SECURITY AGREEMENT

INTELLECTUAL PROPERTY SECURITY AGREEMENT dated as of April 22, 1998, made by UCAR GLOBAL ENTERPRISES INC., a Delaware corporation (the "*Borrower*"), and the U.S. Subsidiaries (together with the Borrower, the "*Grantors*") in favor of THE CHASE MANHATTAN BANK, a New York banking corporation, as collateral agent (in such capacity the "*Collateral Agent*") for the Secured Parties. Reference is made (a) to the Credit Agreement, dated as of October 19, 1995, as amended and restated as of March 19, 1997 (as the same may be amended, supplemented or otherwise modified from time to time, the "*Credit Agreement*"), among UCAR International Inc., a Delaware corporation ("*UCAR*"), the Borrower, the other Credit Parties (such term and each other capitalized term used but not defined having the meaning given it in Section 1.01 in the Credit Agreement), the Lenders, the Fronting Banks, the Administrative Agent and the Collateral Agent (the Lenders, the Fronting Banks, the Administrative Agent and the Collateral Agent, collectively, the "*Secured Parties*") and (b) to the Waiver dated as of April 10, 1998, under the Credit Agreement (the "*Waiver*").

The Lenders and the Fronting Banks, respectively, have agreed to make Loans to the Credit Parties and to issue Letters of Credit for the account of the Credit Parties, pursuant to, and upon the terms and subject to the conditions specified in, the Credit Agreement.

UCAR and the Borrower requested pursuant to the Waiver that the Required Lenders waive certain provisions of the Credit Agreement and the Required Lenders were induced to agree by, and have agreed to waive such provisions in consideration of, among other things, the agreement under the Waiver by the Borrower, UCAR and the Credit Parties to grant to the Collateral Agent for the ratable benefit of the Secured Parties first priority perfected security interests in substantially all the assets of UCAR, the Borrower and the domestic Subsidiaries.

The obligations of the Lenders to make Loans and of the Fronting Banks to issue Letters of Credit under the Credit Agreement are conditioned upon, among other things, the execution and delivery by the Grantors of an intellectual property security agreement in the form hereof to secure the due and punctual payment of, with respect to each Grantor, its obligations as obligor or guarantor in respect of (a) the unpaid principal of and premium, if any, and interest (including interest accruing at the then applicable rate provided in the Credit Agreement after the maturity of the Loans and interest accruing at the then applicable rate provided in the Credit Agreement after the filing of any petition in bankruptcy, or the commencement of any insolvency, reorganization or like proceeding, relating to a Grantor whether or not a claim for post-filing or post petition interest is allowed in such proceeding) on the Loans, when and as due, whether at maturity, by acceleration, upon one or more dates set for prepayment or otherwise, (b) each payment required to be made by any Credit Party under the Credit Agreement, when and as due, including payments in respect of reimbursements of L/C Disbursements, interest thereon and obligations to provide cash collateral, and (c) all other obligations and liabilities of every nature of the Grantors from time to time owed to the Secured Parties or any of them, whether direct or indirect, absolute or contingent, due or to become due, or now existing or hereafter incurred (including monetary obligations incurred during the pendency of any bankruptcy, insolvency, receivership or other similar proceeding, regardless of whether allowed or allowable in such proceeding), which may arise under, out of or in connection with, the Credit Agreement, this Agreement or any other Loan Document and any obligation of the Borrower to a Lender under an Interest/Exchange Rate Protection Agreement or under any other document made, delivered or given in connection with any of the foregoing, in each case whether on account of principal, interest, reimbursement obligations, fees, indemnities, costs, expenses or otherwise, including all fees and disbursements of counsel to the Collateral Agent or to the Secured Parties that are required to be paid by UCAR or a Credit Party pursuant to the terms of the Credit Agreement, this Agreement, any other Loan Document or any Interest/Exchange Rate Protection Agreement with a Lender (all the foregoing obligations collectively, the "*Obligations*").

Accordingly, the Grantors and the Collateral Agent, on behalf of itself and each other Secured Party (and each of their successors and assigns), hereby agree as follows:

ARTICLE I

Definitions

SECTION 1.01. *Definition of Terms Used Herein.* All capitalized terms used but not defined herein shall have the meanings assigned to such terms in the Credit Agreement.

SECTION 1.02. *Definition of Certain Terms Used Herein.* As used herein, the following terms shall have the following meanings:

"*Agreement*" shall mean this Intellectual Property Security Agreement.

"*Collateral*" shall mean, with respect to each Grantor, all of the following, whether now owned or hereafter acquired by such Grantor: (a) Patents, including all granted Patents, recordings and pending applications, including those listed on Schedule I attached hereto, (b) Trademarks, including all registered Trademarks, registrations, recordings, and pending applications, including those listed on Schedule II attached hereto, (c) Copyrights, including all registered Copyrights, registrations, recordings, supplemental registrations and pending applications, including those listed on Schedule III attached hereto, (d) Licenses, including those listed on Schedule IV hereto, (e) General Intangibles, and (f) all products and Proceeds (including insurance proceeds) of, and additions, improvements and accessions to, and books and records describing or used in connection with, any and all of the property described above.

"*Copyrights*" shall mean, with respect to each Grantor, all of the following now or hereafter owned by such Grantor: (i) all copyright rights in any work subject to the copyright laws of the United States or any other country, whether as author, assignee, transferee or otherwise, and (ii) all registrations and applications for registration of any such copyright in the United States or any other country, including registrations, recordings, supplemental registrations and pending applications for registration in the United States Copyright Office.

"*Copyright License*" shall mean, with respect to each Grantor, any written agreement, now or hereafter in effect, granting any right to any third party under any Copyright now or hereafter owned by such Grantor or which such Grantor otherwise has the right to license, or granting any right to such Grantor under any Copyright now or hereafter owned by any third party, and all rights of such Grantor under any such agreement.

"*General Intangibles*" shall mean, with respect to each Grantor, all intangible, intellectual or other similar property of such Grantor of any kind or nature now owned or hereafter acquired by such Grantor, including inventions, designs, Patents, Copyrights, Licenses, Trademarks, trade secrets, confidential or proprietary technical and business information, know-how, show-how or other data or information, software and databases and all embodiments or fixations thereof and related documentation, registrations, franchises, and all other intellectual or other similar property rights not otherwise described above.

"*Indemnatee*" shall mean the Collateral Agent, the Secured Parties and their respective officers, directors, trustees, affiliates and controlling persons.

"*License*" shall mean, with respect to each Grantor, any Patent License, Trademark License, Copyright License or other license or sublicense as to which such Grantor is a party (other than those license agreements which by their terms prohibit assignment or a grant of a security interest by such Grantor as licensee thereunder).

"*Patent License*" shall mean, with respect to each Grantor, any written agreement, now or hereafter in effect, granting to any third party any right to make, use or sell any invention on which a Patent, now or hereafter owned by such Grantor or which such Grantor otherwise has the right to license, is in existence, or granting to such Grantor any right to make, use or sell any invention on which a Patent, now or hereafter owned by any third party, is in existence, and all rights of such Grantor under any such agreement.

"*Patents*" shall mean, with respect to each Grantor, all the following now or hereafter owned by such Grantor: (a) all letters patent of the United States or any other country, including patents, design patents or utility models, all registrations and recordings thereof, and all applications for letters patent

[NYCORP3:592479.2:4439A:04/21/98--7:56p]

TRADEMARK

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of the United States or any other country, including registrations, recordings and pending applications in the United States Patent and Trademark Office or any similar offices in any other country, and (b) all reissues, continuations, divisions, continuations-in-part, renewals or extensions thereof, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein.

"*Proceeds*" shall mean, with respect to each Grantor, any consideration received from the sale, exchange, license, lease or other disposition of any asset or property that constitutes Collateral owned by such Grantor, any value received as a consequence of the possession of any such Collateral and any payment received from any insurer or other person or entity as a result of the destruction, loss, theft or other involuntary conversion of whatever nature of any asset or property that constitutes Collateral, any claim of such Grantor against third parties for (and the right to sue and recover for and the rights to damages or profits due or accrued arising out of or in connection with) (a) past, present or future infringement of any Patent now or hereafter owned by such Grantor or licensed under a Patent License, (b) past, present or future infringement or dilution of any Trademark now or hereafter owned by such Grantor or licensed under a Trademark License or injury to the goodwill associated with or symbolized by any Trademark now or hereafter owned by such Grantor, (c) past, present or future breach of any License, (d) past, present or future infringement of any Copyright now or hereafter owned by such Grantor or licensed under a Copyright License, and (e) any and all other amounts from time to time paid or payable under or in connection with any of such Collateral.

"*Trademark License*" shall mean, with respect to each Grantor, any written agreement, now or hereafter in effect, granting to any third party any right to use any Trademark now or hereafter owned by such Grantor or that such Grantor otherwise has the right to license, or granting to such Grantor any right to use any Trademark now or hereafter owned by any third party, and all rights of such Grantor under any such agreement.

"*Trademarks*" shall mean, with respect to each Grantor, all of the following now or hereafter owned by such Grantor: (a) all trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade styles, trade dress, logos, other source or business identifiers, prints and labels on which any of the foregoing have appeared or appear, and all designs and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all registration and recording applications filed in connection therewith, including registrations, recordings and applications in the United States Patent and Trademark Office, any State of the United States or any similar offices in any other country or any political subdivision thereof, and all extensions or renewals thereof, and (b) all goodwill associated therewith or symbolized thereby, and (c) all other assets, rights and interests that uniquely reflect or embody such goodwill.

"*U.S. Subsidiaries*" shall mean the Subsidiaries (as defined in the Credit Agreement) incorporated or otherwise organized in the United States of America.

SECTION 1.03. *Rules of Interpretation.* The rules of interpretation specified in Section 1.02 of the Credit Agreement shall be applicable to this Agreement.

ARTICLE II

Security Interest

SECTION 2.01. *Security Interest.* As security for the payment or performance, as the case may be, of the Obligations, each Grantor hereby creates, mortgages, pledges, hypothecates and transfers to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, and hereby grants to the Collateral Agent, its successors and assigns, for the ratable benefit of the Secured Parties, a continuing first priority security interest in all such Grantor's right, title and interest in, to and under the Collateral subject to liens permitted under Section 6.02 of the Credit Agreement (the "*Security Interest*"). Without limiting the foregoing, the Collateral Agent is hereby authorized to file one or more financing statements, continuation statements, filings with the United States Patent and Trademark Office or United States Copyright Office or similar office in any other country), or any other documents for the purpose of perfecting, confirming, continuing, enforcing or protecting the Security Interest granted by such Grantor, without the signature of such Grantor, naming such Grantor as debtor and the Collateral Agent as secured party.

Notwithstanding any other provision of this Agreement to the contrary, the Collateral shall not include any License which by its terms or the terms governing it prohibits assignment thereof or the grant of a security interest therein; *provided* that such term or terms are typical or customary in connection with the document or instrument to which they relate.

Each Grantor agrees at all times to keep accurate and complete, in all material respects, accounting records with respect to the Collateral and, on and after the occurrence and during the continuance of a Default, a record of all payments and Proceeds received in respect thereof.

SECTION 2.02. *Further Assurances.* Each Grantor agrees, at its own cost and expense, to promptly execute, acknowledge, deliver and cause to be duly filed all such further instruments and documents and take all such actions as the Collateral Agent may from time to time reasonably request for the better assuring, preserving and perfecting of the Security Interest and the rights and remedies created hereby, including the payment of any fees and taxes required in connection with the execution and delivery of this Agreement, the granting of the Security Interest created hereby, the filing of any financing statements or other documents (including filings with the United States Patent and Trademark Office and the United States Copyright Office or similar offices in any other country) in connection herewith, and the execution and delivery of any document required to supplement this Agreement with respect to any Patents, Trademarks and/or Copyrights applied for, acquired, registered (or for which registration applications are filed) or issued after the date hereof. If any amount payable under or in connection with any of the Collateral shall be or become evidenced by any promissory note or other instrument, upon the request of the Collateral Agent, such note or instrument shall (to the extent not previously pledged and delivered pursuant to the Pledge Agreement) be immediately pledged and delivered to the Collateral Agent, duly endorsed in a manner satisfactory to the Collateral Agent. Each Grantor agrees promptly to notify the Collateral Agent if any material portion of the Collateral is canceled or overturned, opposed, misappropriated, injured, infringed, lost (other than due to expiration of any issued Patent) or, if applicable, diluted.

SECTION 2.03. *Inspection and Verification.* Without limiting the scope of Section 5.07 of the Credit Agreement, the Collateral Agent and such representatives as the Collateral Agent may reasonably designate shall have the right to inspect, at any reasonable times or times, any of the Collateral, all records related thereto (and to make extracts and copies from such records) and the premises upon which any of the Collateral is located, to discuss any Grantor's affairs with the officers of such Grantor and its independent accountants and to verify under reasonable procedures the validity, amount, quality, quantity, value conditions, and status of or any other matter relating to such Collateral, including, in the case of Collateral in the possession of any third party (with, except after an Event of Default shall have occurred and during the continuance thereof, the consent of such Grantor, which consent shall not be unreasonably withheld), by contacting such person possessing such Collateral for the purpose of making such a verification. The Collateral Agent shall have the absolute right to share any information it gains from such inspection or verification with any or all of the Secured Parties.

SECTION 2.04. *Taxes; Encumbrances.* At its option, the Collateral Agent may discharge past due taxes, assessments, charges, fees, liens, security interests or other encumbrances at any time levied or placed on any of the Collateral and not permitted under this Agreement or other Loan Documents, and may pay for the maintenance and preservation of any of the Collateral to the extent any Grantor fails to do so to the extent required by this Agreement or the other Loan Documents, and such Grantor agrees to reimburse the Collateral Agent on demand for any payment made or any expense incurred by the Collateral Agent pursuant to the foregoing authorization; *provided, however*, that nothing in this Section 2.04 shall be interpreted as excusing any Grantor from the performance of, or imposing any obligation on the Collateral Agent or any other Secured Party to cure or perform, any covenants or other promises of any Grantor with respect to taxes, assessments, charges, fees, liens, security interests or other encumbrances and maintenance as set forth herein or in the other Loan Documents.

SECTION 2.05. *No Assumption of Liability.* The Security Interest is granted as security only and shall not subject any Secured Party to, or in any way alter or modify, any obligation or liability of any Grantor with respect to or arising out of any of the Collateral.

ARTICLE III

Representations and Warranties

Representations and Warranties. Each Grantor represents and warrants, as to itself and the Collateral in which the Security Interest is created hereunder, that:

SECTION 3.01. *Validity of Patents, Trademarks and Copyrights.* Each of the Patents, Trademarks and Copyrights is subsisting and has not been adjudged invalid or unenforceable, in whole or in part, except as could not reasonably be expected to have a Material Adverse Effect.

SECTION 3.02. *Title and Authority.* Each Grantor has rights in and good title to the Collateral shown on the schedules hereto as being owned by it and has full corporate power and authority to

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grant to the Collateral Agent (for the benefit of the Secured Parties) the Security Interest in the Collateral pursuant hereto and to execute, deliver and perform its obligations in accordance with the terms of this Agreement, without the consent or approval of any other person other than any consent or approval that has been obtained, except, in each case, as could not reasonably be expected to have a Material Adverse Effect.

SECTION 3.03. *Filings.* (a) Fully executed financing statements containing a description of the Collateral shall promptly following the Closing Date be filed of record in every governmental, municipal or other office in every jurisdiction located within the United States and its respective territories and possessions or such other analogous documents in other countries as are necessary to publish notice of and protect the validity of and to establish a valid and perfected security interest in favor of the Collateral Agent (for the benefit of the Secured Parties) in respect of the Collateral in which a security interest may be perfected by filing a financing statement or analogous document in the United States and its political subdivisions, territories and possessions pursuant to the Uniform Commercial Code or other applicable law in such jurisdictions or pursuant to applicable law in other countries, and no further or subsequent filing, refile, recording, rerecording, registration or reregistration is necessary in any such jurisdiction, except as provided under applicable law with respect to the filing of continuation statements or other documents of similar effect, except as contemplated by paragraph (b) below and filings with respect to after-acquired Collateral, with respect to which all necessary actions will be promptly taken subsequent to the acquisition of such after-acquired Collateral.

(b) Each Grantor shall ensure and warrants that fully executed security agreements in the form hereof and containing a description of the Collateral shall have been received and recorded within three months after the execution of this Agreement with respect to United States Patents and United States registered Trademarks (and Trademarks for which United States registration applications are pending) and within one month after the execution of this Agreement with respect to United States registered Copyrights by the United States Patent and Trademark Office and the United States Copyright Office pursuant to 35 U.S.C. § 261, 15 U.S.C. § 1060 or 17 U.S.C. § 205 and the regulations thereunder, as applicable, and otherwise as may be required pursuant to the laws of any other country or any political subdivision thereof, to protect the validity and first priority of and to perfect a valid first priority security interest in favor of the Collateral Agent (for the benefit of the Secured Parties) in respect of the Collateral in which a security interest may be perfected by filing in the United States and its political subdivisions, territories and possessions, and no further or subsequent filing, refile, recording, rerecording, registration or reregistration is necessary in any such jurisdiction, except as provided under applicable law with respect to the filing of continuation statements (other than such actions as are necessary to perfect the Collateral Agent's first priority security interest with respect to any Collateral (or registration or application for registration thereof) acquired or developed after the date hereof).

SECTION 3.04. *Validity of Security Interests.* This Agreement is effective to create in favor of the Collateral Agent, for the ratable benefit of the Secured Parties, a legal, valid and enforceable security interest in the Collateral, and, when financing statements in appropriate form are filed in the offices specified on Schedule 3.19 of the Credit Agreement and this Agreement is filed in the United States Patent and Trademark Office and the United States Copyright Office, this Agreement will constitute a fully perfected Lien on, and security interest in, all right, title and interest of the Grantors in such Collateral and, to the extent contemplated therein and subject to § 9-306 of the UCC, the proceeds thereof, in each case prior and superior in right to any other person (it being understood that subsequent recordings in the United States Patent and Trademark Office and the United States Copyright Office may be necessary to perfect a lien on registered trademarks, trademark applications and copyrights acquired by the Grantors after the date hereof), other than with respect to the rights of persons pursuant to Liens expressly permitted by Section 6.02 of the Credit Agreement.

SECTION 3.05. *Information Regarding Names and Locations.* Each Grantor has disclosed in writing to the Collateral Agent on Schedule IV any material trade names used to identify it in its business or in the ownership of its properties during the past five years.

SECTION 3.06. *Absence of Other Liens.* The Collateral is owned by the Grantors free and clear of any Lien of any nature whatsoever (except for Liens expressly permitted by Section 6.02 of the Credit Agreement or hereby and any liens of licenses listed on Schedule V). Other than as contemplated hereby and by the other Loan Documents, and except as permitted therein, the Grantors have not filed (a) any financing statement or analogous document under the Uniform Commercial Code, (b) any assignment in which any Grantor assigns the Collateral, any security agreement or any similar instrument covering any Collateral with the United States Patent and Trademark Office, the United States Copyright Office or any similar office in any other country of political subdivision thereof and (c) any assignment in which any Grantor assigns the Collateral or any security agreement or similar instrument covering any Collateral with any foreign governmental, municipal or other office.

ARTICLE IV

Covenants

SECTION 4.01. *Covenants Regarding Patent, Trademark and Copyright Collateral.* (a) Each Grantor (either itself or through licensees) will, for each Patent, not do any act, or omit to do any act, whereby any Patent that is material to the conduct of the Grantors' businesses, taken as a whole, may become invalidated or dedicated to the public, and shall continue to mark, to the extent consistent with past practices and good business judgment, any products covered by a material Patent with the relevant patent number as necessary and sufficient to establish and preserve such Grantor's material rights under applicable patent laws.

(b) Each Grantor (either itself or through its licensees or its sublicensees) will, for each Trademark material to the conduct of the Grantors' businesses, taken as a whole, to the extent consistent with past practices and good business judgment, (i) maintain such Trademark in full force free from any material claim of abandonment or invalidity for nonuse, (ii) maintain the quality of products and services offered under such Trademark to the extent that the failure to do so would result in a Material Adverse Effect, (iii) display such Trademark with notice of federal or foreign registration to the extent necessary and sufficient to establish and preserve such Grantor's material rights under applicable law and (iv) not knowingly use or knowingly permit the use of such Trademark in violation of any material third-party rights.

(c) Each Grantor (either itself or through licensees) will, for each work covered by a material Copyright, to the extent consistent with past practices and good business judgment, continue to publish, reproduce, display, adopt and distribute the work with appropriate copyright notice as necessary and sufficient to establish and preserve such Grantor's material rights under applicable copyright laws.

(d) Each Grantor shall notify the Collateral Agent immediately if it knows or has reason to know that any Patent, Trademark or Copyright material to the conduct of the Grantors' businesses, taken as a whole, may become abandoned, lost or dedicated to the public, or of any adverse determination or development (including the institution of, or any such determination or development in, any proceeding in the United States Patent and Trademark Office, United States Copyright Office or any court or similar office of any country) regarding such Grantor's ownership of any such Patent, Trademark or Copyright, its right to register the same, or to keep and maintain the same.

(e) In no event shall any Grantor, either itself or through any agent, employee, licensee or designee, file an application for any Patent, Trademark or Copyright (or for the registration of any Trademark or Copyright) with the United States Patent and Trademark Office, United States Copyright Office or any office or agency in any political subdivision of the United States or in any other country or any political subdivision thereof, unless it promptly informs the Collateral Agent, and, upon request of the Collateral Agent, executes and delivers any and all agreements, instruments, documents and papers as the Collateral Agent may reasonably request to evidence (and, in the case of applications for Trademarks with the United States Patent and Trademark Office, perfect) the Collateral Agent's security interest in such Patent, Trademark or Copyright of such Grantor and the good will and general intangibles of such Grantor relating thereto or represented thereby, and such Grantor hereby appoints the Collateral Agent as its attorney-in-fact to execute and file such writings for the foregoing purposes, all acts of such attorney being hereby ratified and confirmed; such power, being coupled with an interest, is irrevocable until the Obligations are paid in full.

(f) Each Grantor will take all necessary steps that are consistent with the practice in any proceeding before the United States Patent and Trademark Office, United States Copyright Office or any office or agency in any political subdivision of the United States or in any other country or any political subdivision thereof, to maintain and pursue each material application (and to obtain the relevant grant or registration) relating to the Patents, Trademarks and/or Copyrights which are material to the Grantors' businesses, taken as a whole, to maintain each issued Patent and each registration of the Trademarks and Copyrights that is material to the conduct of the Grantors' businesses, taken as a whole, including timely filings of applications for renewal, affidavits of use, affidavits of incontestability and payment of maintenance fees, and, if consistent with good business judgment, to initiate opposition, interference and cancellation proceedings against third parties.

(g) In the event that any Collateral consisting of a Patent, Trademark or Copyright material to the conduct of the Grantors' businesses, taken as a whole, is believed by the Grantor that has created the Security Interest in such Collateral pursuant hereto to have been infringed, misappropriated or diluted by a third party in any material respect, such Grantor shall notify the Collateral Agent promptly after it learns thereof and shall, if consistent with good business judgment, promptly sue for infringement,

misappropriation, or dilution and to recover any and all damages for such infringement, misappropriation or dilution, and take such other actions as are appropriate under the circumstances to protect such Collateral.

SECTION 4.02. *Protection of Security.* Each Grantor shall, at its own cost and expense, take any and all reasonable actions necessary to defend title to the Collateral against all persons, to properly maintain, protect and preserve the Collateral and to defend the Security Interest of the Collateral Agent in the Collateral and the priority thereof against any Lien not permitted under the Credit Agreement in each case, except as otherwise permitted by the Credit Agreement.

SECTION 4.03. *Continuing Obligations of the Grantors.* Each Grantor shall remain liable to observe and perform all the conditions and obligations to be observed and performed by it under each License, contract, agreement, interest or obligation relating to the Collateral, all in accordance with the terms and conditions thereof, to the extent consistent with good business practice. Without limiting the foregoing, the Collateral Agent shall have no obligation or liability under any License by reason of or arising out of this Agreement or the granting or the assignment to the Collateral Agent of the Security Interest or the receipt by the Collateral Agent of any payment related to any License pursuant hereto, nor shall the Collateral Agent be required or obligated in any manner to perform or fulfill any of the obligations of any Grantor under or pursuant to any License, or to make any payment, or to make any inquiry as to the nature or the sufficiency of any payment received by it or the sufficiency of any performance by any party under any License, or to present or file any claim, or to take any action to collect or enforce any performance of the payment of any amounts that may have been assigned to it or to which it may be entitled at any time or times.

SECTION 4.04. *Use and Disposition of Collateral.* A Grantor shall not (i) make or permit to be made an assignment, pledge or hypothecation of the Collateral, and shall grant no other security interest in the Collateral (other than pursuant hereto or except for any Permitted Liens) or (ii) make or permit to be made any transfer of the Collateral, and shall remain at all times in possession thereof other than transfers to the Collateral Agent pursuant to the provisions hereof; notwithstanding the foregoing, a Grantor may use and dispose of the Collateral in any lawful manner not in violation of the provisions of this Agreement, the Credit Agreement or any other Loan Document, unless the Collateral Agent shall, after an Event of Default shall have occurred and during the continuance thereof, notify the Borrower not to sell, convey, lease, assign, transfer or otherwise dispose of any Collateral except with respect to any transfer between the Borrower or a Wholly Owned Subsidiary that is a Grantor and the Borrower or a Wholly Owned Subsidiary that is a Grantor.

SECTION 4.05. *Locations of Collateral; Place of Business.* (a) Each Grantor agrees, at such time or times as the Collateral Agent may reasonably request, promptly to prepare and deliver to the Collateral Agent a duly certified schedule or schedules in form reasonably satisfactory to the Collateral Agent, showing the identity, amount and location (to the extent practicable) of any and all Collateral.

(b) Each Grantor agrees not to change, or permit to be changed, the location of its chief executive office or chief place of business or the name or names used to identify it in its business or in the ownership of its properties unless all filings under the Uniform Commercial Code or under other applicable laws that are required to be made with respect to the Collateral have been made and the Collateral Agent has a valid, legal and perfected first priority security interest in the Collateral, subject to no liens, other than Liens permitted by Section 6.02 of the Credit Agreement and any liens or licenses listed on Schedule V, and prior notice thereof has been given to the Collateral Agent along with copies of all such filings to be made.

SECTION 4.06. *Future Rights.* (a) If, before the time that all Obligations shall have been paid in full, no Letters of Credit are outstanding and the Secured Parties no longer have Commitments under the Credit Agreement, any Grantor shall obtain rights to any material asset or item that may be considered Collateral, the provisions of Section 2.01 shall automatically apply thereto and each Grantor shall give to the Collateral Agent prompt notice thereof in writing.

(b) With respect to any such material asset or item that may be considered Collateral as set forth in paragraph (a) above, each Grantor shall follow the procedures set forth in Section 3.03, as applicable, to ensure that the Collateral Agent's valid first priority security interest therein is perfected.

SECTION 4.07 *Assignment of Licenses.* Upon and during the continuance of an Event of Default and at the reasonable request of the Collateral Agent, each Grantor shall use its reasonable efforts to obtain all requisite consents or approvals by the licensor of each Copyright License, Patent License or Trademark License to effect the assignment of all of the Grantors' rights, title and interest thereunder to the Collateral Agent or its designee.

SECTION 4.08. *Collateral Agent's Liabilities and Expenses; Indemnification.* (a)

Notwithstanding anything to the contrary provided herein, the Collateral Agent assumes no liabilities with respect to any claims regarding each Grantor's ownership (or purported ownership) of, or rights or obligations (or purported rights or obligations) arising from, the Collateral or any use (or actual or alleged misuse), license or sublicense thereof by any Grantor or any licensee of such Grantor, whether arising out of any past, current or future event, circumstance, act or omission or otherwise, or any claim, suit, loss, damage, expense or liability of any kind or nature arising out of or in connection with the Collateral or the production, marketing, delivery, sale or provision of goods or services under or in connection with any of the Collateral. As between the Secured Parties and the Grantors, all of such liabilities shall be borne exclusively by the Grantors.

(b) Each Grantor hereby agrees to pay all expenses of the Collateral Agent and to indemnify the Collateral Agent with respect to any and all losses, claims, damages, liabilities and related expenses in respect of this Agreement or the Collateral in each case to the extent the Borrower is required to do so pursuant to Section 9.05 of the Credit Agreement.

(c) Any amounts payable as provided hereunder shall be additional Obligations secured hereby and by the other Security Documents. Without prejudice to the survival of any other agreements contained herein, all indemnification and reimbursement obligations contained herein shall survive the payment in full of the principal and interest under the Credit Agreement, the expiration of the Letters of Credit and the termination of the Commitments or this Agreement.

ARTICLE V

Remedies

SECTION 5.01. *Power of Attorney.* Upon the occurrence and during the continuance of any Event of Default, subject to prior written notice to the Borrower, the Collateral Agent shall have the right, as the true and lawful attorney-in-fact of the Grantors, with power of substitution for the Grantors and in the Grantors' names, the Collateral Agent's name or otherwise, for the use and benefit of the Secured Parties (a) upon prior notice from the Collateral Agent, to receive, endorse, assign and/or deliver any and all notes, acceptances, checks, drafts, money orders or other evidences of payment relating to the Collateral or any part thereof; (b) to demand, collect, receive payment of, give receipt for and give discharges and releases of all or any of the Collateral; (c) to sign the name of any Grantor on any invoice relating to any of the Collateral; (d) to commence and prosecute any and all suits, actions or proceedings at law or in equity in any court of competent jurisdiction to collect or otherwise realize on all or any of the Collateral or to enforce any rights in respect of any Collateral; (e) to settle, compromise, compound, adjust or defend any actions, suits or proceedings relating to or pertaining to all or any of the Collateral; (f) to license or, to the extent permitted by any applicable law, sublicense, whether general, special or otherwise, and whether on an exclusive or non-exclusive basis, any of the Collateral throughout the world for such term or terms, on such conditions, and in such manner, as the Collateral Agent shall determine (other than in violation of any then existing licensing arrangements to the extent that waivers or other adequate provision cannot be secured therefor); and (g) generally to use, sell, assign, transfer, pledge, make any agreement with respect to or otherwise deal with all or any of the Collateral, and to do all other acts and things necessary to carry out the purposes of this Agreement, as fully and completely as though the Collateral Agent were the absolute owner of the Collateral for all purposes; *provided, however*, that except as provided for by law or the Uniform Commercial Code as in effect in the State of New York or its equivalent in other jurisdictions, nothing herein contained shall be construed as requiring or obligating the Collateral Agent to make any commitment or to make any inquiry as to the nature or sufficiency of any payment received by the Collateral Agent, or to present or file any claim or notice, or to take any action with respect to the Collateral or any part thereof or the moneys due or to become due in respect thereof or any property covered thereby, and no action taken by the Collateral Agent or omitted to be taken with respect to the Collateral or any part thereof shall give rise to any defense, counterclaim or offset in favor of any Grantor or to any claim or action against the Collateral Agent. It is understood and agreed that the appointment of the Collateral Agent as the attorney-in-fact of the Grantors for the purposes set forth above in this Section 5.01 is coupled with an interest and is irrevocable. The provisions of this Section 5.01 shall in no event relieve the Grantors of any of their obligations hereunder or under the Credit Agreement or any other Loan Document with respect to the Collateral or any part thereof or impose any obligation on the Collateral Agent or the Secured Parties to proceed in any particular manner with respect to the Collateral or any part thereof, or in any way limit the exercise by the Collateral Agent or any Secured Party of any other or further right that it may have on the date of this Agreement or hereafter, whether hereunder or by law or by the Security Agreement, or otherwise.

SECTION 5.02. *Other Remedies upon Default.* Upon the occurrence and during the continuance of an Event of Default, each Grantor expressly agrees that, subject to prior written notice to the

Borrower, the Collateral Agent on demand shall have the right to take any or all of the following actions at the same or different times: with or without legal process and with or without previous notice or demand for performance, to take possession of all tangible manifestations or embodiments of the Collateral and documentation relating thereto and all business records, documents, files, prints and labels with respect to the Collateral, and without liability for trespass to enter any premises where such tangible manifestations or embodiments, business records, documents, files, prints and labels with respect to the Collateral may be located for the purpose of taking possession of or removing such tangible manifestations or embodiments, business records, documents, files, prints and labels with respect to the Collateral, and, generally, to exercise any and all rights afforded to a secured party under the Uniform Commercial Code or other law applicable to any part of the Collateral. Subject to and without limiting the generality of the foregoing, each Grantor agrees that the Collateral Agent shall have the right, subject to the mandatory requirements of applicable law, to sell or otherwise dispose of all or any part of the Collateral, at public or private sale or at any broker's board or on any securities exchange, for cash, upon credit or for future delivery as the Collateral Agent shall deem appropriate. The Collateral Agent shall be authorized at any such sale (if it deems it advisable to do so) to restrict the prospective bidders or purchasers to persons who will represent and agree that they are purchasing the Collateral for their own account for investment and not with a view to the distribution or sale thereof where the failure to obtain such a representation and agreement could result in a violation of any applicable securities laws, and upon consummation of any such sale the Collateral Agent shall have the right to assign, transfer and deliver to the purchaser or purchasers thereof the Collateral so sold. Each such purchaser at any such sale shall hold the property sold absolutely, free from any claim or right on the part of any Grantor, and each Grantor hereby waives (to the extent permitted by law) all rights of redemption, stay and appraisal that such Grantor now has or may at any time in the future have under any rule of law or statute now existing or hereafter enacted.

The Collateral Agent shall give the Grantors at least 10 days' written notice (which each Grantor agrees is reasonable notice within the meaning of Section 9-504(3) of the Uniform Commercial Code as in effect in the State of New York or its equivalent in other jurisdictions) of the Collateral Agent's intention to make any sale of Collateral. Such notice, in the case of a public sale, shall state the time and place for such sale and, in the case of a sale at a broker's board or on a securities exchange, shall state the board or exchange at which such sale is to be made and the day on which the Collateral, or portion thereof, will first be offered for sale at such board or exchange. Any such public sale shall be held at such time or times within ordinary business hours and at such place or places as the Collateral Agent may fix and state in the notice (if any) of such sale. At any such sale, the Collateral, or portion thereof, to be sold may be sold in one lot as an entirety or in separate parcels, as the Collateral Agent may (in its sole and absolute discretion) determine. The Collateral Agent shall not be obligated to make any sale of any Collateral if it shall determine not to do so, regardless of the fact that notice of sale of such Collateral shall have been given. The Collateral Agent may, without notice or publication, adjourn any public or private sale or cause the same to be adjourned from time to time by announcement at the time and place fixed for sale, and such sale may, without further notice, be made at the time and place to which the same was so adjourned. In case any sale of all or any part of the Collateral is made on credit or for future delivery, the Collateral so sold may be retained by the Collateral Agent until the sale price is paid by the purchaser or purchasers thereof, but the Collateral Agent shall not incur any liability in case any such purchaser or purchasers shall fail to take up and pay for the Collateral so sold and, in case of any such failure, such Collateral may be sold again upon like notice to the Grantors. At any public sale made pursuant to this Section 5.02, the Collateral Agent or any Secured Party may bid for or purchase, free from any right of redemption, stay, valuation or appraisal on the part of any Grantor (all said rights being also hereby waived and released to the extent permitted by law), the Collateral or any part thereof offered for sale and may make payment on account thereof by using any claim then due and payable to the Collateral Agent or any Secured Party from any Grantor as a credit against the purchase price, and the Collateral Agent or any Secured Party may, upon compliance with the terms of sale, hold, retain and dispose of such property without further accountability to such Grantor therefor. As an alternative to exercising the power of sale herein conferred upon it, the Collateral Agent may proceed by a suit or suits at law or in equity to foreclose this Agreement and to sell the Collateral or any portion thereof pursuant to a judgment or decree of a court or courts having competent jurisdiction or pursuant to a proceeding by a court-appointed receiver.

SECTION 5.03. *Application of Proceeds of Sale.* The proceeds of any sale of Collateral, as well as any Collateral consisting of cash, shall be applied by the Collateral Agent as follows:

First, to the payment of the reasonable costs and expenses of the Collateral Agent as set forth in Sections 5.01 and 5.02 and in the Credit Agreement;

Second, to the payment of all amounts of the Obligations owed to the Secured Parties in respect of Loans made by them and outstanding and amounts owing in respect of any L/C Disbursement or Letter of Credit or under any Interest/Exchange Rate Protection Agreement, pro rata as among the Secured Parties in accordance with the amount of such Obligations owed them;

Third, to the payment and discharge in full of the Obligations (other than those referred to above), pro rata as among the Secured Parties in accordance with the amount of such Obligations owed to them; and

Fourth, after payment in full of all Obligations, to the applicable Grantor, or its successor or assign thereof, or to whomsoever may be lawfully entitled to receive the same or as a court of competent jurisdiction may direct, any Collateral then remaining.

The Collateral Agent shall have absolute discretion as to the time of application of any such proceeds, moneys or balances in accordance with this Agreement. Upon any sale of the Collateral by the Collateral Agent (including pursuant to a power of sale granted by statute or under a judicial proceeding), the receipt of the Collateral Agent or of the officer making the sale shall be a sufficient discharge to the purchaser or purchasers of the Collateral so sold and such purchaser or purchasers shall not be obligated to see to the application of any part of the purchase money paid over to the Collateral Agent or such officer or be answerable in any way for the misapplication thereof.

SECTION 5.04. *Grant of License to Use Patent, Trademark and Copyright Collateral.* For the purpose of enabling the Collateral Agent to exercise rights and remedies under Article V hereof at such time as the Collateral Agent shall be lawfully entitled to exercise such rights and remedies, each Grantor hereby grants to the Collateral Agent an irrevocable, non-exclusive license (exercisable without payment of royalty or other compensation to such Grantor) to use, license or sublicense any of the Collateral now owned or hereafter acquired by such Grantor, and wherever the same may be located, and including in such license reasonable access to all media in which any of the licensed items may be recorded or stored. The use of such license by the Collateral Agent shall be exercised, at the option of the Collateral Agent for any purpose appropriate in connection with the exercise of remedies hereunder, only upon the occurrence and during the continuance of an Event of Default; *provided* that any license, sublicense or other transaction entered into by the Collateral Agent in accordance herewith shall be binding upon such Grantor notwithstanding any subsequent cure of an Event of Default. The Collateral Agent agrees to apply the net proceeds received from any license as provided in Section 5.03 hereof.

ARTICLE VI

Miscellaneous

SECTION 6.01. *The Collateral Agent Appointed Attorney-in-Fact.* Except as otherwise provided herein, each Grantor hereby appoints the Collateral Agent the attorney-in-fact of such Grantor, effective upon the occurrence and during the continuance of an Event of Default, for the purposes of carrying out the provisions of this Agreement, taking any action and executing any instrument that the Collateral Agent may reasonably deem necessary or advisable to accomplish the purposes hereof, and doing all other acts that such Grantor is obligated to do hereunder. Such appointment is in each case irrevocable and coupled with an interest. Each Grantor hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof in accordance with this Agreement.

SECTION 6.02. *Notices.* Notices and other communications provided for herein shall be in writing and given (i) in the case of communications and notices to any Credit Party or any Secured Party, as provided in the Credit Agreement and (ii) in the case of communications and notices to any Grantor that is not a Credit Party, as provided in the Subsidiary Guarantee Agreement.

SECTION 6.03. *Successors and Assigns.* (a) Whenever in this Agreement any of the parties hereto is referred to, such reference shall be deemed to include the permitted successors and assigns of such party, and the terms "Lender", "Fronting Bank" and "Secured Party" shall include each permitted successor and assignee of any Lender, Fronting Bank or Secured Party permitted under Section 9.04 of the Credit Agreement and all covenants, promises and agreements by or on behalf of the Grantors or the Collateral Agent or that are contained in this Agreement shall bind and inure to the benefit of their respective permitted successors and permitted assigns referred to above.

(b) No Grantor shall assign or delegate any of its rights and duties hereunder.

(c) The covenants, promises and agreements by the Grantors shall inure to the benefit of each Secured Party and each assignee of any Secured Party permitted under Section 9.04 of the Credit Agreement.

SECTION 6.04. *Applicable Law.* THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK,

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TRADEMARK

REEL: 1769 FRAME: 0041

EXCEPT TO THE EXTENT THAT FEDERAL LAW OR LAWS OF ANOTHER STATE OR FOREIGN JURISDICTION MAY APPLY TO PATENTS, TRADEMARKS, COPYRIGHTS, OTHER COLLATERAL OR REMEDIES.

SECTION 6.05. *Waivers; Amendment.* (a) No failure or delay of the Collateral Agent in exercising any power or right hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or power, or any abandonment or discontinuance of steps to enforce such a right or power, preclude any other right or power. The rights and remedies of the Collateral Agent hereunder and of other Secured Parties under the Loan Documents are cumulative and are not exclusive of any rights or remedies that they would otherwise have. No waiver of any provisions of this Agreement or any other Loan Document or consent to any departure by any Grantor therefrom shall in any event be effective unless the same shall be permitted by paragraph (b) below, and then such waiver or consent shall be effective only in the specific instance and for the purpose for which given. No notice to or demand on any Grantor in any case shall entitle such Grantor to any other or further notice or demand in similar or other circumstances.

(b) Neither this Agreement nor any provision hereof may be waived, amended or modified except pursuant to an agreement or agreements in writing entered into between any Grantor and the Collateral Agent, with the prior written consent of the Required Lenders; *provided, however*, that except as provided herein or in the other Loan Documents, no such agreement shall amend, modify, waive or otherwise affect the rights or duties of the Collateral Agent hereunder without the prior written consent of the Collateral Agent.

SECTION 6.06. *Security Interest Absolute.* All rights of the Collateral Agent hereunder, the security interests granted hereunder and all obligations of the Grantors hereunder shall be absolute and unconditional.

SECTION 6.07. *Survival of Agreement.* All covenants, agreements, representations and warranties made by any Grantor herein and in the certificates or other instruments prepared or delivered in connection with or pursuant to this Agreement or any other Loan Document shall be considered to have been relied upon by the Secured Parties and shall survive the making by the Lenders of the Loans, the execution and delivery to the Lenders of the Loan Documents and the issuance by the Fronting Banks of the Letters of Credit regardless of any investigation made by the Secured Parties or on their behalf and shall continue in full force and effect so long as the principal of or any accrued interest on any Loan or L/C Disbursement or any Fee or any other amount payable under or in respect of this Agreement or any other Loan Document is outstanding and unpaid and so long as the Commitments have not been terminated.

SECTION 6.08. *Binding Effect; Assignments.* This Agreement shall become effective as to any Grantor when a counterpart hereof executed on behalf of such Grantor shall have been delivered to the Collateral Agent, and thereafter shall be binding upon such Grantor and its respective successors and assigns, and shall inure to the benefit of such Grantor and the Secured Parties and their respective successors and assigns, except that no Grantor shall have the right to assign its rights hereunder or any interest herein (and any such attempted assignment shall be void) except as expressly contemplated by this Agreement or the other Loan Documents.

SECTION 6.09. *Termination; Release.* (a) This Agreement and the security interests granted hereby shall terminate when all the Obligations have been indefeasibly paid in full, the Commitments have been terminated and no Letters of Credit are outstanding.

(b) Upon any sale by any Grantor of any Collateral that is permitted under the Credit Agreement or upon the effectiveness of any written consent to the release of the Security Interest in any Collateral pursuant to Section 9.08 of the Credit Agreement, the Security Interest in such Collateral shall be automatically released.

(c) In connection with any termination or release pursuant to paragraphs (a) and (b), the Collateral Agent shall execute and deliver to each Grantor, at such Grantor's expense, all Uniform Commercial Code termination statements, documents in order to terminate any United States Patent and Trademark Office filings and similar documents that such Grantor shall reasonably request to evidence such termination or release. Any execution and delivery of termination statements or documents pursuant to this Section 6.09 shall be without recourse to or warranty by the Collateral Agent.

SECTION 6.10. WAIVER OF JURY TRIAL. EACH PARTY HERETO HEREBY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY OF THE OTHER LOAN DOCUMENTS. EACH PARTY HERETO (A) CERTIFIES THAT NO

REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER AND (B) ACKNOWLEDGES THAT IT AND THE OTHER PARTIES HERETO HAVE BEEN INDUCED TO ENTER INTO THIS AGREEMENT AND THE OTHER LOAN DOCUMENTS, AS APPLICABLE, BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION 6.10.

SECTION 6.11. *Severability.* In the event any one or more of the provisions contained in this Agreement or in any other Loan Document should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and therein shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 6.12. *Jurisdiction; Consent to Service of Process.* (a) Each Grantor hereby irrevocably and unconditionally submits, for itself and its property, to the nonexclusive jurisdiction of any New York State court or Federal court of the United States of America sitting in New York City, and any appellate court from any thereof, in any action or proceeding arising out of or relating to this Agreement or the other Loan Documents, or for recognition or enforcement of any judgment, and each of the parties hereto hereby irrevocably and unconditionally agrees that all claims in respect of any such action or proceeding may be heard and determined in such New York State or, to the extent permitted by law, in such Federal court. Each of the parties hereto agrees that a final judgment in any such action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law. Nothing in this Agreement shall affect any right that any Loan Party or Secured Party may otherwise have to bring any action or proceeding relating to this Agreement or the other Loan Documents against any Grantor or any Secured Party or its properties in the courts of any jurisdiction.

(b) Each Grantor and each Secured Party hereby irrevocably and unconditionally waives, to the fullest extent it may legally and effectively do so, any objection that it may now or hereafter have to the laying of venue of any suit, action or proceeding arising out of or relating to this Agreement or the other Loan Documents in any New York State or Federal court. Each of the parties hereto hereby irrevocably waives, to the fullest extent permitted by law, the defense of an inconvenient forum to the maintenance of such action or proceeding in any such court.

(c) Each party to this Agreement irrevocably consents to service of process in the manner provided for notices in Section 6.02. Nothing in this Agreement will affect the right of any party to this Agreement to serve process in any other manner permitted by law.

SECTION 6.13. *Counterparts.* This Agreement may be executed in two or more counterparts, each of which shall constitute an original, but all of which, when taken together shall constitute but one instrument, and shall become effective as provided in Section 6.08.

SECTION 6.14. *Headings.* Article and Section headings used herein are for convenience of reference only, are not part of this Agreement and are not to affect the construction of, or to be taken into consideration in interpreting, this Agreement.

SECTION 6.15. *Additional Grantors.* Pursuant to Section 5.11 of the Credit Agreement, each U.S. Subsidiary that was not in existence or not a U.S. Subsidiary on the date thereof is required to enter into this Agreement as a Grantor upon becoming a U.S. Subsidiary. Upon execution and delivery, after the date hereof, by the Collateral Agent and such U.S. Subsidiary of an instrument in the form of Annex 1, such U.S. Subsidiary shall become a Grantor hereunder with the same force and effect as if originally named as a Grantor hereunder. The execution and delivery of any such instrument shall not

require the consent of any Grantor hereunder. The rights and obligations of each Grantor hereunder shall remain in full force and effect notwithstanding the addition of any new Grantor as a party to this Agreement.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

UCAR GLOBAL ENTERPRISES INC.,

by 

Name: Peter B. Mancino
Title: Vice President

UCAR CARBON COMPANY INC.,

by 

Name: Peter B. Mancino
Title: Vice President
Address: 39 Old Ridgebury Rd. Danbury CT

UCAR CARBON TECHNOLOGY CORPORATION,

by 

Name: Peter B. Mancino
Title: Vice President
Address: 39 Old Ridgebury Rd Danbury CT

UCAR COMPOSITES INC.,

by 

Name: Karen G. Narwold
Title: Assistant Secretary
Address:

UCAR HOLDINGS INC.,

by 

Name: Peter B. Mancino
Title: Vice President
Address: 39 Old Ridgebury Rd. Danbury CT

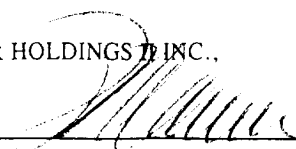
UNION CARBIDE GRAFITO INC.,

by 

Name: James H. Wimer
Title: Vice President
Address:

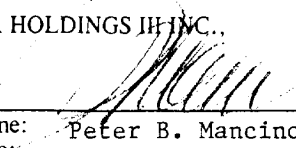
UCAR HOLDINGS I INC.,

by


Name: Peter B. Mancino
Title: Vice President
Address: 39 Old Ridgebury Rd. Danbury CT

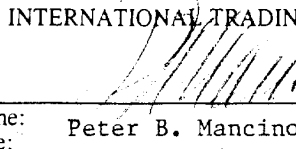
UCAR HOLDINGS II INC.,

by


Name: Peter B. Mancino
Title: Vice President
Address: 39 Old Ridgebury Rd. Danbury CT

UCAR INTERNATIONAL TRADING INC.,

by


Name: Peter B. Mancino
Title: Vice President
Address: 39 Old Ridgebury Rd. Danbury CT

THE CHASE MANHATTAN BANK, as Collateral Agent

by

Name:
Title:
Address:

UCAR HOLDINGS II INC.,

by

Name:
Title:
Address:

UCAR HOLDINGS III INC.,

by

Name:
Title:
Address:

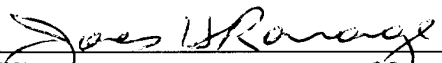
UCAR INTERNATIONAL TRADING INC.,

by

Name:
Title:
Address:

THE CHASE MANHATTAN BANK, as Collateral Agent

by



Name: **JAMES H. RAMAGE**
Title: **Vice President**
Address:

SCHEDULE I
TO INTELLECTUAL
PROPERTY SECURITY AGREEMENT

PATENTS AND PATENT APPLICATIONS

<i>Serial No. or Patent No.</i>	<i>Inventor</i>	<i>Country</i>	<i>Issue or File Date</i>	<i>Title</i>
		See Attached		

I

Wednesday, May 06, 1998		Master List		By Division and Case Number		Page: 1
Division: CGP	CGP	Attorney	Disclosure Status	Title	Inventors	
Case Number						
009426	FJM		FILED	CEMENTED COLLECTOR BAR ASSEMBLIES FOR ALUMINUM CELL CARBON BOTTOM BLOCK	MILNER, RG VADLA, JJ	
Owner: UCAR CARBON TECHNOLOGY CORP						
Sub	Case	Application	Filing	Patent	Issue	Expiration
Country	Type	Number	Date	Number	Date	Date
CA	GRANTED	ORD		1046456	16-Jan-1979	1/16/96
					OL	
						Agent Ref #

Wednesday, May 06, 1998 Master List By Division and Case Number

Division: CGP CGP

Case Number Attorney Disclosure Status Title Inventors

013073 FJM FILED IMPROVED ELECTRIC ARC FURNACE COMPONENT LAURIA, AT VOISINET, LJ

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD	272786	10-Jun-1981	1182505	12-Feb-1985	OL	2/12/02	
US	GRANTED	ORD	272786	10-Jun-1981	4453253	05-Jun-1984	LE	6/5/01	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CGP CGP Attorney Disclosure Status Title Inventors

013800 FJM FILED OXIDATION PROHIBITIVE COATINGS FOR SARA, RV CARBONACEOUS ARTICLES

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1228370	20-Oct-1987	OL	10/20/04	
DE	ABANDON	EPC	84850234.0	27-Jul-1984	0134769	19-Nov-1992		7/27/04	
EP	GRANTED	ORD	84850234.0	27-Jul-1984	0134769	19-Nov-1992		7/27/04	
ES	ABANDON	ORD	534692		534692	03-Jul-1985	OL	7/3/05	
FR	ABANDON	EPC	84850234.0	27-Jul-1984	0134769	19-Nov-1992		7/27/04	
GB	ABANDON	EPC	84850234.0	27-Jul-1984	0134769	19-Nov-1992		7/27/04	
IT	ABANDON	EPC	84850234.0	27-Jul-1984	0134769	19-Nov-1992	EP	7/27/04	
JP	ABANDON	ORD		27-Jul-1984	1593825	14-Dec-1990		7/27/04	
SE	ABANDON	EPC	84850234.0	27-Jul-1984	0134769	19-Nov-1992	EP	7/27/04	
US	ABANDON	ORD	518194	28-Jul-1983	4559270	17-Dec-1985	LE	12/17/02	

Wednesday, May 06, 1998 Master List By Division and Case Number

Division: CGP CGP

Case Number	Attorney	Disclosure Status	Title	Inventors
014026	FJM	FILED	IMPROVED NUCLEAR GRAPHITE AND PROCESS FOR MAKING SAME	CRISCIONE, JM MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1228456	27-Oct-1987	OL	10/27/04	
DE	ABANDON	EPC	84308849.3	18-Dec-1984	0146399	11-Jul-1990		12/18/04	
EP	GRANTED	ORD	84308849.3	18-Dec-1984	0146399	11-Jul-1990		12/18/04	
FR	GRANTED	EPC	84308849.3	18-Dec-1984	0146399	11-Jul-1990		12/18/04	
GB	GRANTED	EPC	84308849.3	18-Dec-1984	0146399	11-Jul-1990		12/18/04	
JP	ABANDON	ORD	265516/84	18-Dec-1984	1677287	13-Jul-1992		11/8/04	
US	ABANDON	ORD	562562	19-Dec-1983	4526834	02-Jul-1985	LE	7/2/02	

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 015104 FJM FILED PROCESS FOR PRODUCING HIGH DENSITY CARBON AND GRAPHITE ARTICLES CRISCIONE, JM MONTGOMERY, LC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	-1	GRANTED ORD			1322634	05-Oct-1993	OL	10/5/10	
DE	-1	ABANDON EPC	89107849.5	29-Apr-1989	0340697	15-Dec-1993		4/29/09	
EP	-1	GRANTED ORD	89107849.5	29-Apr-1989	0340697	15-Dec-1993		4/29/09	
FR	-1	GRANTED EPC	89107849.5	29-Apr-1989	0340697	15-Dec-1993		4/29/09	
GB	-1	GRANTED EPC	89107849.5	29-Apr-1989	0340697	15-Dec-1993		4/29/09	
IT	-1	GRANTED EPC	89107849.5	29-Apr-1989	0340697	15-Dec-1993	EP	4/29/09	
JP	-1	GRANTED ORD	113514/89	02-May-1989	2505880	02-Apr-1996		5/2/09	
MX	-1	ABANDON ORD	015892	02-May-1989	165490	13-Nov-1992		5/2/09	
US	-1	GRANTED CIP	189762	03-May-1988	4847021	11-Jul-1989	LE	7/11/06	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 015147 FJM FILED IMPROVED BINDER SYSTEM FOR MANDORF, V
 CASTABLE CERAMICS

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BE	ABANDON	EPC	88103561.2	08-Mar-1988	0331771	09-Jun-1993		3/8/08	
DE	ABANDON	EPC	88103561.2	08-Mar-1988	0331771	09-Jun-1993		3/8/08	
EP	GRANTED	ORD	88103561.2	08-Mar-1988	0331771	09-Jun-1993		3/8/08	
ES	ABANDON	EPC	88103561.2	08-Mar-1988	0331771	09-Jun-1993		3/8/08	
FR	ABANDON	EPC	88103561.2	08-Mar-1988	0331771	09-Jun-1993		3/8/08	
GB	ABANDON	EPC	88103561.2	08-Mar-1988	0331771	09-Jun-1993		3/8/08	
IT	ABANDON	EPC	88103561.2	08-Mar-1988	0331771	09-Jun-1993	EP	3/8/08	
JP	ABANDON	ORD	061747/88	15-Mar-1988	1972407	27-Sep-1995		3/15/08	
US	GRANTED	ORD	808750	13-Dec-1985	4735974	05-Apr-1988	LE	4/5/05	

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors

015656 FJM FILED TOPICAL TREATMENT FOR SEALING
 CARBON AND GRAPHITE SURFACES NOE, JB

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	-1	GRANTED	ORD	2003653.2	22-Nov-1989	2003653	09-Jul-1996		11/22/09	Sim	
EP		GRANTED	ORD	88305478.5	15-Jun-1988	0296757	01-Dec-1993		6/15/08		
EP	1	OPPOSITIO	OPP	88305478.5	15-Jun-1988	0296757	01-Dec-1993		6/15/08		
IT		GRANTED	EPC	88305478.5	15-Jun-1988	0296757	01-Dec-1993	EP	6/15/08		
IT	1	GRANTED	EPC	89312144.2	22-Nov-1989	0370799	17-Mar-1993	EP	11/22/09		
US		GRANTED	ORD	274778	23-Nov-1988	5019426	28-May-1991	LE	5/28/08		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors

015889 FJM FILED HIGH PURITY, HIGH TEMPERATURE PIPE HOWARD, RA
 THREAD SEALANT PASTE

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1331906	13-Sep-1994	OL	9/13/11	
DE	GRANTED	EPC	89304270.5	28-Apr-1989	0341869	15-Dec-1993		4/28/09	
EP	GRANTED	ORD	89304270.5	28-Apr-1989	0341869	15-Dec-1993		4/28/09	
FR	GRANTED	EPC	89304270.5	28-Apr-1989	0341869	15-Dec-1993		4/28/09	
GB	GRANTED	EPC	89304270.5	28-Apr-1989	0341869	15-Dec-1993		4/28/09	
IT	GRANTED	EPC	89304270.5	28-Apr-1989	0341869	15-Dec-1993	EP	4/28/09	
JP	GRANTED	ORD	111901/89	28-Apr-1989	1914049	23-Mar-1995		4/28/09	
US	Granted	ORD	187846	29-Apr-1988	4872914	10-Oct-1989	LE	10/10/06	
US	Granted	REI	589614	28-Sep-1990	RE33760	03-Dec-1991	LE	12/3/08	
US	-3 GRANTED	DIV	608396	02-Nov-1990	5085700	04-Feb-1992	LE	2/4/09	

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors

015889RE FJM Open HIGH PURITY, HIGH TEMPERATURE PIPE
 THREAD SEALANT PASTE

Owner: UCAR CARBON TECHNOLOGY CORP

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case Status	Type	Date	Number	Date	Schedule	Date		
US	Granted	REI	28-Sep-1990	RE33760	03-Dec-1991	LE			

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors

015962 FJM FILED HIGH STRENGTH CARBONACEOUS CEMENT CHIU, CC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD	2035983	08-Feb-1991	2035983	17-Sep-1996		2/8/11	
DE	GRANTED	EPC	91301049.2	08-Feb-1991	0498097	05-Jul-1995		2/8/11	
EP	GRANTED	ORD	91301049.2	08-Feb-1991	0498097	05-Jul-1995		2/8/11	
ES	GRANTED	EPC	91301049.2	08-Feb-1991	2074222	05-Jul-1995		2/8/11	
FR	GRANTED	EPC	91301049.2	08-Feb-1991	0498097	05-Jul-1995		2/8/11	
GB	GRANTED	EPC	91301049.2	08-Feb-1991	0498097	05-Jul-1995		2/8/11	
IT	GRANTED	EPC	91301049.2	08-Feb-1991	0498097	05-Jul-1995	EP	2/8/11	
JP	PENDING	ORD	104008/91	08-Feb-1991					
US	GRANTED	ORD	280974	07-Dec-1988	5002981	26-Mar-1991	LE	3/26/08	

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 016148 FJM FILED PROCESS FOR FORMING A METAL BORIDE CHANG, CF
 COATING ON A CARBONACEOUS SARA, RV
 SUBSTRATE

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	ABANDON ORD	419331	10-Oct-1989	4979998	25-Dec-1990	LE	12/25/07	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors

016258 FJM FILED A PROCESS FOR ISOSTATIC MOLDING MILLER, DJ

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	GRANTED	EPC	91118812.6	05-Nov-1991	0540771	18-Jan-1995		11/5/11	
EP	GRANTED	ORD	91118812.6	05-Nov-1991	0540771	18-Jan-1995		11/5/11	
FR	GRANTED	EPC	91118812.6	05-Nov-1991	0540771	18-Jan-1995		11/5/11	
GB	GRANTED	EPC	91118812.6	05-Nov-1991	0540771	18-Jan-1995		11/5/11	
JP	PENDING	ORD	318449/91	06-Nov-1991					
US	GRANTED	ORD	495640	19-Mar-1990	5107437	21-Apr-1992	LE	4/21/09	

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 016397 FJM FILED TERNARY BRAZING ALLOY FOR CARBON SARA, RV
 OR GRAPHITE

Owner: UCAR CARBON TECHNOLOGY CORP

Sub	Country	Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US		GRANTED	ORD	633409	21-Dec-1990	5102621	07-Apr-1992	LE	4/7/09		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors

016499 FJM FILED METHOD OF FORMING AN ALUMINUM PROTECTIVE COATING ON A CARBON-CARBON COMPOSITE SARA, RV

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
DE	ABANDON	EPC	92121672.7	19-Dec-1992	0548864	23-Aug-1995		12/19/12		
EP	GRANTED	ORD	92121672.7	19-Dec-1992	0548864	23-Aug-1995		12/19/12		
FR	GRANTED	EPC	92121672.7	19-Dec-1992	0548864	23-Aug-1995		12/19/12		
US	GRANTED	ORD	813027	24-Dec-1991	5413816	09-May-1995	LE	5/9/12		

Division: CGP CGP
 Attorney FJM
 Case Number 016513
 Disclosure Status FILED
 Title CONDUCTIVE EXPANDABLE CARBONACEOUS PASTE MATERIAL
 Inventors CLARK, WR
 KING, HL
 WILLEY, HE
 Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	GRANTED	EPC	92102709.0	19-Feb-1992	0500061	26-Oct-1994		2/19/12	
EP	GRANTED	ORD	92102709.0	19-Feb-1992	0500061	26-Oct-1994		2/19/12	
FR	GRANTED	EPC	92102709.0	19-Feb-1992	0500061	26-Oct-1994		2/19/12	
GB	GRANTED	EPC	92102709.0	19-Feb-1992	0500061	26-Oct-1994		2/19/12	
IT	GRANTED	EPC	92102709.0	19-Feb-1992	0500061	26-Oct-1994	EP	2/19/12	
SE	GRANTED	EPC	92102709.0	19-Feb-1992	0500061	26-Oct-1994	EP	2/19/12	
US	GRANTED	ORD	658700	21-Feb-1991	5167868	01-Dec-1992	LE	12/1/09	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP
 Case Number Attorney FJM Filed Disclosure Status Title Inventors
 016593 HIGH SURFACE AREA SULFUR-CONTAINING GREINKE, RA
 ACTIVATED CARBON LEWIS, IC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	PENDING	ORD	P4314461.6	03-May-1993				5/3/13	
JP	PENDING	ORD	104008/93	30-Apr-1993					
US	-1	ABANDON	223824	06-Apr-1994			LE		
US	-2	GRANTED	670142	27-Jun-1996	5639707	17-Jun-1997	LE		

Master List By Division and Case Number

Division: CGP CGP Attorney: FJM

Case Number	Attorney	Disclosure Status	Title	Inventors
016722	FJM	FILED	A GLASSY CARBON COATED GRAPHITE CHUCK FOR USE IN PRODUCING POLYCRYSTALLINE SILICON	LEWIS, IC MILLER, DJ PIRRO, TA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	ABANDON	EPC		92114512.4	26-Aug-1992					
EP	ABANDON	ORD		92114512.4	26-Aug-1992					
FR	ABANDON	EPC		92114512.4	26-Aug-1992					
IT	ABANDON	EPC		92114512.4	26-Aug-1992					
JP	ABANDON	ORD		230585/92	28-Aug-1992					
KR	ABANDON	ORD		15573/92	28-Aug-1992					
US	-2	ABANDON	CON	385728	08-Feb-1995					LE

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 016828 FJM FILED A GLASSY CARBON COATED GRAPHITE LEWIS, IC
 COMPONENT FOR USE IN THE PRODUCTION MILLER, DJ
 OF SILICON CRYSTAL GROWTH PIRRO, TA
 Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	PENDING	EPC	92114513.2	26-Aug-1992				8/26/12	
EP	ABANDON	ORD	92114513.2	26-Aug-1992				8/26/12	
FR	PENDING	EPC	92114513.2	26-Aug-1992				8/26/12	
IT	PENDING	EPC	92114513.2	26-Aug-1992				8/26/12	
JP	PENDING	ORD	230586/92	28-Aug-1992					
KR	ABANDON	ORD	15572/92	18-Aug-1992					
US	-2	GRANTED	CON 434495	14-May-1995	5476679	19-Dec-1995	LE	5/4/15	

Master List By Division and Case Number

Wednesday, May 06, 1998

Case Number	Division: CGP	Attorney	Disclosure Status	Title	Inventors
016861	CGP	FJM	FILED	HALOGENATION AND SULFONATION METHOD FOR MAKING ACTIVATED CARBON WITH INCREASED METHANE STORAGE CAPACITY	BRETZ, RI GREINKE, RA MULLHAUPT, JT

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	ABANDON ORD	960811	14-Oct-1992	5372619	13-Dec-1994	LE	12/13/11		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP Attorney FJM

Case Number 016901

Disclosure Status: FILED
 Title: ROOM TEMPERATURE SETTING CARBONACEOUS CEMENT WITH INCREASED ELECTRICAL CONDUCTIVITY AND FLEXURAL STRENGTH
 Inventors: BRETZ, RI
 GREINKE, RA
 KAMPE, DJ
 LEWIS, IC
 PIRRO, TA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	GRANTED	ORD	P4312571.9	17-Apr-1993	4312571.9	30-Dec-1997		4/17/13	
DE	GRANTED	DIV	P4345359.7	22-Dec-1995	4345359.7	23-Dec-1997		12/22/15	
JP	PENDING	ORD	087247/93	14-Apr-1993					
US	GRANTED	ORD	870314	17-Apr-1992	5280063	18-Jan-1994	LE	1/18/11	
US	GRANTED	CIP	135153	12-Oct-1993	5373051	13-Dec-1994	LE	12/13/11	
US	GRANTED	CON	409896	23-Mar-1995	5550176	27-Aug-1996	LE		

Division: CGP	Attorney	Disclosure Status	Title	Inventors
CGP	FJM	Open	IMPROVED SEALANTS FOR SEALING CARBON AND GRAPHITE SURFACES	CHIU, CC

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
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US ABANDON ORD

LE

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP Attorney Disclosure Status Title Inventors

016927 FJM Open PROTECTIVE COATINGS FOR CARBONACEOUS ARTICLES DERIVED BY EXCHANGE REACTION BETWEEN DISILICIDES & CARBON SARA, RV

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Application Filing Patent Issue Tax Expiration
Country Case Status Type Number Date Number Date Schedule Date Agent Agent Ref #

US ABANDON ORD LE

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 016990 FJM FILED MULTILAYER COATED CARBONACEOUS ARTICLES SARA, RV

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Country	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
ABANDON	US	ORD	882544	13-May-1992			LE			
ABANDON	US	CON	561559	22-Nov-1995			LE			

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CGP CGP
Case Number Attorney Disclosure Status Title Inventors
017044 FJM FILED WATCH SERVICE - LECTRO MELT

Owner: UCAR CARBON TECHNOLOGY CORP

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case	Type	Date	Number	Date	Schedule	Date		
Status		Number							

US FILED ORD

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 017199 FJM Open METHODS FOR FORMING TITANIUM- SILICON CARBIDE COATINGS ON CARBONACEOUS ARTICLES SARA, RV SHAO, RL

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	UNFILED	ORD						LE	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 030001 FJM Open CHEMICALLY MODIFIED GRAPHITE FOR GREINKE, RA
 ELECTROCHEMICAL CELLS LEWIS, IC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Case Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
DE	Published	ORD	19722487.3	28-May-1997			LE	5/28/16		
JP	PENDING	ORD	138974/97	28-May-1996			LE	5/28/16		
US	PENDING	ORD	654660	29-May-1996			LE			

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 030002 FJM Open COMPACTED CARBON FOR GREINKE, RA
 ELECTROCHEMICAL CELLS LEWIS, IC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
DE	PENDING	EPC		14-Nov-1996						
EP	PUBLISHED	ORD	96308639.2	29-Nov-1996						
GB	PENDING	EPC		14-Nov-1996						
JP	PENDING	ORD	320156/96	29-Nov-1996						
US	GRANTED	ORD	654644	29-May-1996	5677082	14-Oct-1997	LE			

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CGP CGP

Case Number Attorney Disclosure Status Title Inventors

030003 FJM Open HETEROATOM INCORPORATED COKE FOR GREINKE, RA
ELECTROCHEMICAL CELLS LEWIS, IC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	GRANTED	ORD	19703954.5	03-Feb-1997	19703954	04-Dec-1997	LE		
JP	PENDING	ORD	022949/97	05-Feb-1997			LE		
US	GRANTED	ORD	654661	29-May-1996	5639576	17-Jun-1997	LE		

Wednesday, May 06, 1998 Master List By Division and Case Number

Division: CGP CGP
 Case Number Attorney Disclosure Status Title Inventors
 030006 FJM Open PRODUCTION OF SOLIDS-FREE COAL TAR CHANG, CF
 PITCH LEWIS, IC
 ORAC, TH
 SHAO, RL

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	PENDING	ORD	722469	27-Sep-1996			LE		
WO	PENDING	ORD	US97/16677	24-Sep-1997			LE		
ZA	PENDING	ORD	978432	18-Sep-1997			LE		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CGP CGP
Case Number Attorney Disclosure Status Title Inventors
030009 FJM Open IRON OXIDE AND SULFUR ADDITIONS TO LEWIS, RB
CARBONACEOUS ELECTRODES

Owner: UCAR CARBON TECHNOLOGY CORP

Sub	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
Country	Case Status	815960	13-Mar-1997			LE			
US	PENDING	ORD							

Wednesday, May 06, 1998

Master List By Division and Case Number

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Division: CMP UCAR Composites

Case Number Attorney Disclosure Status Title Inventors

030018 FJM Open TOOL HOLDER BALANCING ASSEMBLY AND METHOD

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
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TRADEMARK

REEL: 1769 FRAME: 0078

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CSV Carbone Savoie

Case Number	Attorney	Disclosure Status	Title	Inventors
BR1829	FJM	Filed	A METHOD OF JOINING METAL BARS TO BLOCKS OF CARBON	DUMAS, D HUDAULT, G LATARD, JM MONTILLOT, AM

Owner: CARBONE SAVOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	EXPIRED	ORD	256855	13-Jul-1976	1085346	09-Sep-1980		9/9/97	
FR	EXPIRED	ORD		17-Jul-1975				7/17/95	
US	EXPIRED	ORD		07-Jul-1976			NT	6/28/94	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CSV	Carbone Savoie	Attorney	Filed	Title	Inventors
Case Number	Attorney	Disclosure Status	Title		
BR1959	FJM	Filed	COOLING BLOCKS OF CARBON MATERIALS	LATARD, JM MONTILLOT, AM TOURNEUR, H	

Owner: CARBONE SAVOIE

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case	Type	Date	Number	Date	Schedule	Date		
FR	EXPIRED	ORD	09-Dec-1976	2373498	21-Jan-1980		12/9/96		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CSV Carbone Savoie

Case Number	Attorney	Disclosure Status	Title	Inventors
BR2068	FJM	Filed	CARBONACEOUS LUTING PASTE AND AMBIENT TEMPERATURE LUTING PROCESS (US)	DUMAS, D LACROIX, S LATARD, JM MONTILLOT, AM VALLON, J

Owner: CARBON SAVOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AU	EXPIRED	ORD		17-Apr-1979				4/17/95	
BR	EXPIRED	ORD		19-Apr-1979				4/19/94	
CA	GRANTED	ORD	325926	19-Apr-1979	1135457	16-Nov-1982		11/16/99	
CH	ABANDON	ORD		18-Apr-1979				1/10/96	
DE	GRANTED	EPC	2964780.1	18-Apr-1979	0005410	16-Feb-1983		4/18/99	
FR	GRANTED	ORD	7812447	30-Apr-1978	2423467	29-Jun-1981		4/20/98	
GB	GRANTED	EPC	79420019.6	18-Apr-1979	0005410	16-Feb-1983		4/18/99	
IN	EXPIRED	ORD		19-Mar-1979				3/19/93	
IT	GRANTED	ORD	21938A/79	18-Apr-1979	1113325	20-Jan-1986		4/18/99	
JP	GRANTED	ORD	48501/79	19-Apr-1979	1316474	15-May-1986		4/19/99	
NO	GRANTED	ORD	791299	19-Apr-1979	149500	04-Jun-1985		4/19/99	
US	GRANTED	ORD	31952	20-Apr-1979	4192730	11-Mar-1980	NT	4/20/99	

Division:	Attorney	Disclosure Status	Title	Inventors				
CSV	Carbone Savoie	Filed	CARBONACEOUS PASTE FOR COLD SHAPING	DUMAS, D LACROIX, S LATARD, JM MONTILLOT, AM VALLON, J				
Owner: CARBONE SAVOIE								
Sub Case Number	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
FR	GRANTED ORD	7904769	19-Feb-1979	2453839	28-Aug-1981		4/20/98	

Division: CSV Carbone Savoie
 Attorney: FJM

Case Number	Attorney	Disclosure Status	Title	Inventors
BR2144	FJM	Filed	ELECTRIC FURNACE FOR THE CALCINATION OF CARBONACEOUS MATERIALS (US)	AUBRY, M BERNARD, JC GEORJON, P LATARD, JM PHILIPON, P

Owner: CARBONE SAVOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AU	EXPIRED	ORD		08-Jun-1979				6/8/95	
BR	EXPIRED	ORD		08-Jun-1979				6/8/94	
CA	GRANTED	ORD	329386	08-Jun-1979	1148494	21-Jun-1983		6/21/00	
DE	GRANTED	ORD	2953691.2	08-Jun-1979	2953691	03-Jan-1985		6/8/99	
ES	GRANTED	ORD	481644/7	18-Jun-1979	481644/7	16-Feb-1980		2/16/00	
FR	GRANTED	ORD	7736454	25-Nov-1977	2410235	12-Mar-1982		11/25/97	
GB	GRANTED	ORD	7900049	08-Jun-1979	2063030	15-Jun-1983		6/8/99	
JP	ABANDON	ORD		08-Jun-1979				1/10/96	
NO	GRANTED	ORD	791859	05-Jun-1979	154702	03-Dec-1986		6/5/99	
US	GRANTED	ORD	227052	08-Feb-1981	4357210	02-Nov-1982	LE	11/2/99	
ZA	GRANTED	ORD	79/2745	04-Jun-1979	79/2745	25-Jun-1980		6/4/99	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CSV Carbone Savoie

Case Number	Attorney	Disclosure Status	Title	Inventors
BR2155	FJM	Filed	SYNTHETIC CARBONACEOUS GRANULES HAVING HIGH MECHANICAL CHARACTERISTICS (US)	DELHAY, JP DUMAS, D GEORJON, P LACROIX, P LATARD, JM

Owner: CARBONE SAVOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD	359388	28-Aug-1980	1154211	27-Sep-1983		9/27/00	
FR	GRANTED	ORD	7922253	29-Aug-1979	2464294	09-May-1983		8/29/99	
JP	GRANTED	ORD	116903/80	25-Aug-1980	1240938	26-Nov-1984		8/25/00	
NO	GRANTED	ORD	802516	25-Aug-1980	152013	17-Jul-1985		8/25/00	
US	ABANDON	ORD	352999	26-Feb-1982			LE		
US	-1 Granted	CON	551568	14-Nov-1983	4483840	20-Nov-1984	LE	11/14/03	
ZA	GRANTED	ORD	80/5353	28-Aug-1980	80/5353	28-Apr-1982		8/28/00	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CSV Carbone Savoie

Case Number	Attorney	Disclosure Status	Title	Inventors
BR2366	FJM	Filed	REFRACTORY PRODUCTS FORMED BY GRAINS BOUND BY CARBON RESIDUES AND METAL SILICON IN POWDER FORM AND PROCESS	DUMAS, D LATARD, MN MESNILDOT, DB MICHEL, C MONTILLOT, AM

Owner: CARBONE SAVOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AU	GRANTED	ORD	22651/83	06-Dec-1983	578594	03-Apr-1989		12/6/03	
CA	GRANTED	ORD	442745	07-Dec-1983	1209593	12-Aug-1986		8/12/03	
DE	GRANTED	EPC	3373893.9	06-Dec-1983	0128165	30-Sep-1987		12/6/03	
FR	ABANDON	ORD		08-Dec-1982				5/30/88	
FR	-1	GRANTED	83903801.5	06-Dec-1983	0128165	30-Sep-1987		12/6/03	
GB	GRANTED	EPC	83903801.5	06-Dec-1983	0128165	30-Sep-1987		12/6/03	
IN	GRANTED	ORD	1430/CAL/83	21-Nov-1983	161625	02-Dec-1988		11/21/97	
IN	-1	GRANTED	712/CAL/86	21-Nov-1983	166330	14-Dec-1990		11/21/97	
IT	GRANTED	ORD	24046A/83	06-Dec-1983	1167300	13-May-1987		12/6/03	
NO	ABANDON	ORD		06-Dec-1983				1/10/96	
US	GRANTED	ORD	629547	06-Dec-1983	4544641	01-Oct-1985	LE	12/6/03	

Division: CSV Carbone Savoie
 Attorney: FJM
 Case Number: BR2648
 Title: PROCESS AND APPARATUS FOR SEALING CATHODIC BARS IN A PRESTRESSED CONDITION (US)
 Inventors: AUDRAS, G
 LATARD, JM
 MICHARD, L
 MONTILLOT, AM

Owner: CARBONE SA VOIE

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AU GRANTED	ORD	80910/87	09-Nov-1987	589876	08-Mar-1990		11/9/07	
BR GRANTED	ORD	8706015	09-Nov-1987	8706015-9	25-Apr-1995		11/9/02	
CH GRANTED	ORD	4349/87-6	06-Nov-1987	674212-9	15-May-1990		11/6/07	
CN GRANTED	ORD	87107682	09-Nov-1987	12352	12-Apr-1991		11/9/02	
FR GRANTED	ORD	8615803	10-Nov-1986	2606428	23-Jan-1989		11/10/06	
IS GRANTED	ORD	3281	09-Nov-1987	1401	15-Dec-1989		11/9/07	
NO GRANTED	ORD	874658	09-Nov-1987	176768	11-May-1988		11/9/07	
US GRANTED	ORD	111192	22-Oct-1987	4773980	27-Sep-1988	LE	10/22/07	
VE GRANTED	ORD	1784/87	06-Nov-1987	50548	12-Nov-1993		11/6/02	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: CSV Carbone Savoie

Case Number	Attorney	Disclosure Status	Title	Inventors
BR2649	FJM	Filed	PROTECTIVE COATING FOR THE CARRIER BARS OF PREBAKED ANODES AND THE EMERGING PART OF SAID ANODES (US)	AUDRAS, G LATARD, JM MIGNOT, F SAMANOS, B

Owner: CARBONE SA VOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AE	GRANTED	ORD	VOL17NO208	26-Jun-1988	VOL13NO325	05-Sep-1991		11/14/06		
AU	GRANTED	ORD	81194/87	13-Nov-1987	590185	22-Feb-1990		11/13/07		
BH	ABANDON	ORD						12/15/93		
BR	ABANDON	ORD		13-Nov-1987				12/15/93		
CA	GRANTED	ORD	551398	09-Nov-1987	1284783	11-Jun-1991		6/11/08		
CH	ABANDON	EPC		12-Nov-1987				12/15/93		
DE	ABANDON	EPC		12-Nov-1987				12/15/93		
EP	FILED	ORD		12-Nov-1987				11/12/07		
ES	ABANDON	EPC		12-Nov-1987				12/15/93		
FR	ABANDON	ORD		14-Nov-1986				2/27/95		
FR	-1	GRANTED	EPC	87420308.6		24-Jun-1992		11/12/07		
GB	ABANDON	EPC		12-Nov-1987	0269534			12/15/93		
ID	ABANDON	ORD		14-Jul-1992				12/15/93		
IN	ABANDON	ORD		27-Oct-1987				12/15/93		
IS	ABANDON	ORD		09-Nov-1987				12/15/93		
IT	ABANDON	EPC		12-Nov-1987				12/15/93		
NL	GRANTED	EPC	87420308.6	12-Nov-1987	0269534	24-Jun-1992		11/12/07		
NO	ABANDON	ORD		12-Nov-1987				12/15/93		
NZ	GRANTED	ORD	222473	06-Nov-1987	222473	30-May-1991		11/6/07		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CSV Carbone Savoie

Case Number Attorney Disclosure Status Title Inventors

BR2649 FJM Filed PROTECTIVE COATING FOR THE CARRIER AUDRAS, G
 BARS OF PREBAKED ANODES AND THE LATARD, JM
 EMERGING PART OF SAID ANODES (US) MIGNOT, F
 SAMANOS, B

Owner: CARBONE SAVOIE

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case Status	Type	Date	Number	Date	Schedule	Date		
US	GRANTED	ORD	06-Nov-1987	4787965	29-Nov-1988	LE	11/6/07		
VE	ABANDON	ORD	23-Oct-1987				12/15/93		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CSV Carbone Savoie

Case Number Attorney Disclosure Status Title Inventors

BR2649/A1 FJM Filed PROTECTIVE COATINGS FOR THE CARRIER AUDRAS, G
 BARS OF PRE-BAKED ANODES AND THE LATARD, JM
 EMERGING PART OF THE ANODES (US) MIGNOT, F
 SAMANOS, B

Owner: CARBONE SAVOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AE	FILED	ORD	VOL18NO231	20-Jul-1989				11/14/06		
AU	GRANTED	ORD	27429/88	21-Dec-1988	610964	25-Sep-1991		12/21/08		
BH	ABANDON	ORD						12/15/93		
BR	ABANDON	ORD		21-Dec-1988				12/15/93		
CA	FILED	ORD	586322	19-Dec-1988				12/19/08		
CH	ABANDON	EPC		21-Dec-1988				12/15/93		
DE	ABANDON	EPC		21-Dec-1988				12/15/93		
EP	FILED	ORD	88420430	21-Dec-1988	322326	12-Aug-1992		12/21/08		
ES	ABANDON	EPC		21-Dec-1988				12/15/93		
FR	GRANTED	ORD	8718452	22-Dec-1987	2624886	03-Jan-1992		11/14/06		
FR	-1	GRANTED	EPC	88420430.6	21-Dec-1988	0322326	12-Aug-1992	12/21/08		
GB	-1	ABANDON	EPC		21-Dec-1988			12/15/93		
ID	ABANDON	ORD		21-Jul-1992				12/15/93		
IN	ABANDON	ORD		21-Nov-1988				12/15/93		
IS	ABANDON	ORD		21-Dec-1988				12/15/93		
IT	ABANDON	EPC		21-Dec-1988				12/15/93		
NL	GRANTED	EPC	88420430.6	21-Dec-1988	0322326	12-Aug-1992		12/21/08		
NO	ABANDON	ORD		20-Dec-1988				12/15/93		
NZ	GRANTED	ORD	227342	15-Dec-1988	227342	24-Apr-1992		11/6/07		

TRADEMARK

REEL: 1769 FRAME: 0089

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CSV Carbone Savoie

Case Number	Attorney	Disclosure Status	Title	Inventors
BR2649/A1	FJM	Filed	PROTECTIVE COATINGS FOR THE CARRIER BARS OF PRE-BAKED ANODES AND THE EMERGING PART OF THE ANODES (US)	AUDRAS, G LATARD, JM MIGNOT, F SAMANOS, B

Owner: CARBONE SAVOIE

Sub Country	Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	ABANDON	ORD		18-Nov-1988			LE	10/25/89	
US	-1 GRANTED	ORD	07/426200	25-Oct-1989	4946502	07-Aug-1990	LE	10/25/09	
VE	ABANDON	ORD		18-Nov-1988				12/15/93	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: CSV Carbone Savoie

Case Number	Attorney	Disclosure Status	Title	Inventors
BR3042	FJM	Filed	COATING TO PROTECT MATERIAL FROM REACTION WITH AIR AT HIGH TEMPERATURE	FARGE, Y FIGUERES, R MIGNOT, F MOREL, B

Owner: CARBONE SAVOIE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AU	GRANTED	ORD	54738/94	28-Jan-1994	666061	14-May-1996		1/28/14		
BR	GRANTED	ORD	9400344/0	26-Jan-1994	9400344	16-Aug-1994		1/26/09		
CA	GRANTED	ORD	2114071	24-Jan-1994	2114071	29-Jul-1994		1/24/14		
DE	GRANTED	EPC	69400098.1	25-Jan-1994	0609160	20-Mar-1996		1/25/14		
EP	GRANTED	ORD	94420021	25-Jan-1994	609160	20-Mar-1996		1/25/14		
FR	GRANTED	ORD	9301258	28-Jan-1993	2700773	03-Mar-1995		1/28/13		
FR	-1	GRANTED	EPC	94420021.1	0609160	20-Mar-1996		1/25/14		
GB	GRANTED	EPC	94420021.1	25-Jan-1994	0609160	20-Mar-1996		1/25/14		
IT	GRANTED	EPC	94420021.1	25-Jan-1994	0609160	20-Mar-1996		1/25/14		
JP	GRANTED	ORD	8798/94	28-Jan-1994	6287468	11-Oct-1994		1/28/14		
US	GRANTED	ORD	08/181037	14-Jan-1994	5420084	30-May-1995	LE	1/14/04		
ZA	GRANTED	ORD	94/0505	25-Jan-1994	94/0505	30-Nov-1994		1/25/14		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Case Number	Division: ELP	ELP	Attorney	Disclosure Status	Title	Inventors
008926			FJM	FILED	CHEMICALLY BONDED ALUMINUM COATING FOR CARBON AND PROCESS THEREFOR	SARA, RV

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	-1	GRANTED	ORD		1045919	01-Sep-1979	NT	1/9/96		
US		EXPIRED	PRO	21-Feb-1974			NT	2/21/75		
US	-3	GRANTED	DIV	01-Feb-1978	4252856	24-Feb-1981	NT	2/24/98		
US	-4	GRANTED	DIV	29-Aug-1980	4347083	31-Aug-1982	NT	8/31/99		
US	-5	GRANTED	DIV	29-Aug-1980	4402744	06-Sep-1983	NT	9/6/00		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: ELP ELP
 Case Number Attorney Disclosure Status Title Inventors
 009308 FJM FILED PROCESS FOR PRODUCING AN IMPROVED LEWIS, IC
 GRAPHITE BODY HAVING A LOW SINGER, LS
 COEFFICIENT OF THERMAL EXPANSION

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	GRANTED	ORD		1060161	14-Aug-1979		8/14/96		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: ELP	ELP	Attorney	Disclosure Status	Title	Inventors
Case Number					
009588	FJM	FILED	IMPROVED GRAPHITE ELECTRODE AND METHOD OF MAKING	MERROW, JK MOORE, AW VOLK, HF	

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	GRANTED ORD			1089901	18-Nov-1980		11/18/97		
GB	ABANDON ORD		08-Oct-1977	1586312	20-May-1981	OL	10/8/97		

Division: ELP ELP
 Case Number Attorney Disclosure Status Title Inventors

013353 FJM FILED BORONATED CARBONS FOR ELECTRODE APPLICATIONS SARA, RV

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	ABANDON	EPC	83307051.9	18-Nov-1983	0109839	06-Sep-1989		11/18/03	
EP	GRANTED	ORD	83307051.9	18-Nov-1983	0109839	06-Sep-1989		11/18/03	
ES	ABANDON	ORD	527373		527373	29-May-1984	OL	5/29/04	
FR	ABANDON	EPC	83307051.9	18-Nov-1983	0109839	06-Sep-1989		11/18/03	
GB	ABANDON	EPC	83307051.9	18-Nov-1983	0109839	06-Sep-1989		11/18/03	
IT	ABANDON	EPC	83307051.9	18-Nov-1983	0109839	06-Sep-1989	EP	11/18/03	
JP	ABANDON	ORD		18-Nov-1983	1565858	25-Jun-1990		11/18/03	
US	-2 GRANTED	CON	006690	22-Jan-1987	4770825	13-Sep-1988	LE	9/13/05	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: ELP ELP
Case Number **Attorney** **Disclosure Status** **Title** **Inventors**

013415 FJM FILED MAGNETIC RESONANCE APPARATUS SINGER, LS

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD	393391	29-Jun-1982	1202078	18-Mar-1986	LE	3/18/03	
US	GRANTED	ORD	393391	29-Jun-1982	445527	19-Jun-1984	LE	6/19/01	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: ELP ELP
 Case Number Attorney FJM Filed Disclosure Status Title Inventors

013920 CARBONACEOUS ARTICLES HAVING
 OXIDATION PROHIBITIVE COATINGS
 THEREON SARA, RV

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA		GRANTED	ORD			1228605	27-Oct-1987		10/27/04	
DE		ABANDON	EPC	84850235.7	27-Jul-1984	0134770	31-Mar-1993		7/27/04	
EP		GRANTED	ORD	84850235.7	27-Jul-1984	0134770	31-Mar-1993		7/27/04	
ES		ABANDON	ORD	534691		534691	20-Dec-1985	OL	12/20/05	
ES	-1	ABANDON	DIV	543219		543219	21-Feb-1986		2/21/06	
ES	-2	GRANTED	DIV	549483		549483	24-Sep-1986		9/24/06	
ES	-3	ABANDON	DIV	554961		554961	27-Apr-1987		4/27/07	
FR		GRANTED	EPC	84850235.7	27-Jul-1984	0134770	31-Mar-1993		7/27/04	
GB		ABANDON	EPC	84850235.7	27-Jul-1984	0134770	31-Mar-1993		7/27/04	
IT		GRANTED	EPC	84850235.7	27-Jul-1984	0134770	31-Mar-1993	EP	7/27/04	
JP		ABANDON	ORD		27-Jul-1984	1612716	30-Jul-1991		7/27/04	
SE		ABANDON	EPC	84850235.7	27-Jul-1984	0134770	31-Mar-1993	EP	7/27/04	
US	-1	ABANDON	CIP	628516	12-Jul-1984	4567103	28-Jan-1986	LE	1/28/03	

Division: ELP ELP
 Case Number Attorney Disclosure Status Title Inventors
 014190 FJM FILED FLAKELIKE CARBON BODDIES FROM ORIENT, DT
 SEMICOKE SINGER, LS

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Country	Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	ABANDON	ORD	750532	28-Jun-1985	4891203	02-Jan-1990	LE	1/2/07	

Wednesday, May 06, 1998

Master List By Division and Case Number

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Division: ELP ELP

Case Number	Attorney	Disclosure Status	Title	Inventors
014657	FJM	FILED	PROCESS FOR THE PRODUCTION OF COKE FROM PYROLYSIS TAR	DICKINSON, EM

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	ABANDON	ORD			1271719	17-Jul-1990	OL	7/17/07	
GB	ABANDON	ORD		31-Jul-1986	2193223	18-Jul-1990		7/31/06	
US	ABANDON	ORD	663495	22-Oct-1984	4624775	25-Nov-1986	LE	11/25/03	

Division: ELP ELP

Case Number	Attorney	Disclosure Status	Title	Inventors
015783	FJM	FILED	METHOD FOR TREATING A GRAPHITE OR CARBON BODY TO FORM A PROTECTIVE COATING	COLEMAN, PD WISE, FE

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US -1 GRANTED	CON	725892	01-Jul-1991	5143749	01-Sep-1992	LE	9/1/09	

Division: ELP ELP
 Case Number Attorney FJM Filed Disclosure Status Title Inventors
 016259 METHOD OF ON-LINE MONITORING OF AN GULDEN, G
 ELECTRIC ARC FURNACE AND METHOD OF PENKAL, KW
 CONTROL

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BR	PENDING	ORD	PI9004217.4	27-Aug-1990				8/27/05	
CA	GRANTED	ORD	2024089-0	27-Aug-1990	2024089	21-Nov-1995		8/27/10	
DE	PENDING	EPC	90116235.4	24-Aug-1990				8/24/10	
EP	GRANTED	ORD	90116235.4	24-Aug-1990	0415280	25-Sep-1996		8/24/10	
ES	GRANTED	EPC	90116235.4	24-Aug-1990	2091781 T3	25-Sep-1996		8/24/10	
FR	PUBLISHED	EPC	90116235.4	24-Aug-1990				8/24/10	
GB	PENDING	EPC	90116235.4	24-Aug-1990				8/24/10	
IT	PENDING	EPC	90116235.4	24-Aug-1990				8/24/10	
MX	GRANTED	ORD		27-Aug-1990	173154	27-Sep-1995		8/27/10	
US	GRANTED	ORD	398968	28-Aug-1989	5099438	24-Mar-1992	LE	3/24/09	

Division: ELP ELP
 Case Number Attorney Disclosure Status Title Inventors
 016560 FJM FILED IMPROVEMENT IN ARC FURNACE BOWMAN, BB
 REGULATOR PERFORMANCE

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	PENDING	ORD	2059062	09-Jan-1992				1/9/12	
DE	GRANTED	EPC	92200056.7	09-Jan-1992	69201573.6	08-Mar-1995		1/9/12	
EP	GRANTED	ORD	92200056.7	09-Jan-1992	0494720	08-Mar-1995		1/9/12	
FR	GRANTED	EPC	92200056.7	09-Jan-1992	0494720	08-Mar-1995		1/9/12	
IT	GRANTED	EPC	92200056.7	09-Jan-1992	0494720	08-Mar-1995	EP	1/9/12	
MX	GRANTED	ORD	9200092	09-Jan-1992	180375	11-Dec-1995		1/9/12	
US	GRANTED	ORD	639547	10-Jan-1991	5115447	19-May-1992	LE	5/19/09	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: ELP ELP
 Case Number Attorney Disclosure Status Title Inventors

017069 FJM FILED WATCH SERVICE ON GERMAN PUBLICATION DE 4103508

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
BR	OPPOSITIO	ORD								
DE	WS PENDING	ORD		11-Nov-1992				11/11/12		

TRADEMARK

REEL: 1769 FRAME: 0103

Case Number	Division: ELP	Attorney	Disclosure Status	Title	Inventors
017202	ELP	FJM	FILED	WATCH SERVICE - DAVY ELECTRIC FURNACE	

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
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US ABANDON ORD

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Case Number	Division: ELP	Attorney	Attorney	Disclose Status	Title	Inventors
017345	ELP	FJM	FJM	FILED	PRE-HEATING FURNACE FOR BAKED AMORPHOUS CARBON BODIES	INTERMILL, AW NAGY, CC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BE	PENDING	EPC		15-May-1996			LE		425
BR	PENDING	ORD	P19602535-2	30-May-1996			LE	5/30/11	212
CA	PENDING	ORD	2177750	30-May-1996			LE	5/30/16	814
CN	PENDING	ORD	96110080.X	30-May-1996			LE	5/30/16	160
DE	PENDING	EPC		15-May-1996			LE		784
EP	PUBLISHED	ORD	96303960.7	31-May-1996			LE	5/31/16	845
ES	PENDING	EPC		5-May-1996			LE		
FR	PENDING	EPC		15-May-1996			LE		812
IT	PENDING	EPC		15-May-1996			LE		064
JP	PENDING	ORD	136849/96	30-May-1996			LE	5/30/16	460
MX	PENDING	ORD	962055	30-May-1996			LE	5/30/16	612
MY	PENDING	ORD	P19602065	29-May-1996			LE		805
PL	PENDING	ORD	P314521	29-May-1996			LE	5/29/16	996
RU	PENDING	ORD	96110403	30-May-1996			LE	5/30/16	901
US	Granted	ORD	454739	31-May-1995	5751759	12-May-1998	LE		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Case Number	Division	Attorney	Disclosure Status	Title	Inventors
017389	ELP	FJM	Open	GRAPHITE ELECTRODE WITH SLANTED END SURFACES FOR ELECTRIC-ARC FURNACES	

Remarks: WATCH SERVICE

Country	Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
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DE WS FILED ORD P4215897.4

Master List By Division and Case Number

Wednesday, May 06, 1998

Case Number	Division: ELP	Attorney	Attorney	Disclosure Status	Title	Inventors
030000	ELP	FJM	FJM	Open	OXIDATION INHIBITION OF CARBON ELECTRODES	Bretz, RI Chiu, CC Greinke, RA Klotz, JA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	ABANDON	ORD	641224	30-Apr-1996			LE		
US	-1 PENDING	CON	08/919,689	28-Aug-1997			LE		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: ELP ELP Attorney Disclosure Status Title Inventors

030004 FJM Open DAIDO STEEL CO., LTD.

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Sub	Country	Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
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JP	UNFILED	ORD		1-210958							750
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Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: ELP ELP Attorney Disclosure Status Title Inventors

030005 FJM Open DAIDO STEEL CO., LTD.

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case Status	Type	Date	Number	Date	Schedule	Date		

JP	UNFILED	ORD							750
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Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related
 Case Number Attorney Disclosure Status Title Inventors
 012025 FJM FILED INJECTABLE PACKING FORMULATION COX, CV
 CONTAINING FLEXIBLE GRAPHITE

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA		GRANTED	ORD			1117516	02-Feb-1982		2/2/99		
DE		ABANDON	ORD	P2903477.3	30-Jan-1979	2903477	24-Sep-1982		1/30/99		
DE	1	ABANDON	DIV	P2953475.6	14-Jul-1980	2953475	12-Aug-1982		1/30/99		
FR		ABANDON	ORD	79/02527	31-Jan-1979	79/02527	10-Mar-1986		1/31/99		
GB		ABANDON	ORD		31-Jan-1979	2015029	18-Aug-1982		1/31/99		
IT		ABANDON	ORD		31-Jan-1979	1113745	20-Jan-1986		1/31/99		
JP		PENDING	ORD	009271/79	31-Jan-1979						
US		GRANTED	ORD			4162078	24-Jul-1979		7/24/96		

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
012083	FJM	FILED	PACKING RING CONTAINING FLEXIBLE GRAPHITE	SCHNITZLER, DL

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD				1129904	17-Aug-1982		8/17/99	
DE	ABANDON	ORD		P2903453.5	30-Jan-1979	2903453	30-Aug-1982		1/30/99	
FR	ABANDON	ORD		79/02534	31-Jan-1979	79/02534	15-May-1986		1/31/99	
GB	ABANDON	ORD			31-Jan-1979	2013792	13-Oct-1982		1/31/99	
IT	ABANDON	ORD			31-Jan-1979	1114074	27-Jan-1986		1/31/99	
JP	ABANDON	ORD		092727/79	31-Jan-1979	1229046	19-Sep-1984		1/31/99	
US	GRANTED	ORD				4190257	26-Feb-1980		2/26/97	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
015410	FJM	FILED	INTERCALATION OF GRAPHITE	BECK, EJ GREINKE, RA MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP
Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CH	GRANTED	EPC	88114165.9	31-Aug-1988	0305984	05-Jan-1994		8/31/08	
DE	GRANTED	EPC	88114165.9	31-Aug-1988	0305984	05-Jan-1994		8/31/08	
EP	GRANTED	ORD	88114165.9	31-Aug-1988	0305984	05-Jan-1994		8/31/08	
EP	-1	OPPOSITIO	88114165.9	31-Aug-1988	0305984	05-Jan-1994		8/31/08	
FR	GRANTED	EPC	88114165.9	31-Aug-1988	0305984	05-Jan-1994		8/31/08	
GB	GRANTED	EPC	88114165.9	31-Aug-1988	0305984	05-Jan-1994		8/31/08	
IT	GRANTED	EPC	88114165.9	31-Aug-1988	0305984	05-Jan-1994	EP	8/31/08	
JP	GRANTED	ORD	218207/88	31-Aug-1988	2543583	20-May-1996			
US	-1	GRANTED	CON 323214	16-Mar-1989	4895713	23-Jan-1990	LE	1/23/07	

Division: FLXGR Flexible Graphite Related
 Case Number Attorney Disclosure Status Title Inventors

015676 FJM FILED COMPOSITES OF FLEXIBLE GRAPHITE PARTICLES AND AMORPHOUS CARBON HOWARD, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1322633	05-Oct-1993	OL	10/5/10	
DE	GRANTED	EPC	89101969.7	04-Feb-1989	0328008	02-Jun-1993		2/4/09	
EP	GRANTED	ORD	89101969.7	04-Feb-1989	0328008	02-Jun-1993		2/4/09	
FR	GRANTED	EPC	89101969.7	04-Feb-1989	0328008	02-Jun-1993		2/4/09	
GB	GRANTED	EPC	89101969.7	04-Feb-1989	0328008	02-Jun-1993		2/4/09	
IT	GRANTED	EPC	89101969.7	04-Feb-1989	0328008	02-Jun-1993	EP	2/4/09	
JP	GRANTED	ORD	029581/89	8-Feb-1989	2077617	09-Aug-1996			
US	GRANTED	ORD	154034	09-Feb-1988	4826181	02-May-1989	LE	5/2/06	
US	-1 GRANTED	DIV	321225	09-Mar-1989	5225379	06-Jul-1993	LE	7/6/10	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related
 Case Number Attorney Disclosure Status Title Inventors
 015701 FJM FILED FLEXIBLE GRAPHITE ARTICLES WITH AN GREINKE, RA
 AMORPHOUS CARBON PHASE AT THE HOWARD, RA
 SURFACE

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Case Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	PENDING	ORD	594331	21-Mar-1989					
DE	GRANTED	EPC	89302769.8	21-Mar-1989	0334589	20-Oct-1993		3/21/09	
EP	GRANTED	ORD	89302769.8	21-Mar-1989	0334589	20-Oct-1993		3/21/09	
FR	GRANTED	EPC	89302769.8	21-Mar-1989	0334589	20-Oct-1993		3/21/09	
GB	GRANTED	EPC	89302769.8	21-Mar-1989	0334589	20-Oct-1993		3/21/09	
IT	GRANTED	EPC	89302769.8	21-Mar-1989	0334589	20-Oct-1993	EP	3/21/09	
JP	GRANTED	ORD	069120/89	20-Mar-1989	1880153	21-Oct-1994		3/20/09	
US	-1 GRANTED	CON	590582	28-Sep-1990	5228701	20-Jul-1993	LE	7/20/10	

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
015747	FJM	FILED	COMPOSITE COMPRISING NEARLY PARALLEL EXFOLIATED GRAPHITE WORMS	CHUNG, DDL

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US GRANTED	ORD	612406	21-May-1984	4704231	03-Nov-1987	LE	11/3/04	

Wednesday, May 06, 1998 Master List By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
015798	FJM	FILED	COMPOSITES OF IN-SITU EXFOLIATED GRAPHITE	CHUNG, DDL

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED ORD	105102	05-Oct-1987	1330609	05-Jul-1994	OL	7/5/11	
US	GRANTED ORD	105102	05-Oct-1987	4946892	07-Aug-1990	LE	8/7/07	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related
 Case Number Attorney Disclosure Status Title Inventors
 015913 FJM FILED INSULATING COMPOSITE GASKET MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
JP	GRANTED	ORD	231711	15-Jun-1989	1921863	07-Apr-1995		6/15/09	
US	GRANTED	ORD	231711	12-Aug-1988	4911972	27-Mar-1990	LE	3/27/07	

Division: FLXGR Flexible Graphite Related
 Case Number Attorney Disclosure Status Title Inventors
 016138 FJM FILED FLEXIBLE GRAPHITE EXPANDABLE SEAL AND METHOD HOWARD, RA

Owner: UCAR CARBON TECHNOLOGY CORP
 Keywords: GRAFOIL

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	GRANTED ORD	658010	20-Feb-1991	5130199	14-Jul-1992	LE	7/14/09		

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016166	FJM	FILED	ULTRA-THIN PURE FLEXIBLE GRAPHITE	GETZ, G GREINKE, RA HOWARD, RA MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	GRANTED	ORD	2020148	29-Jun-1990	2020148	11-Jul-1995		6/29/10		
DE	GRANTED	EPC	90307148.8	29-Jun-1990	0406008	21-Sep-1994		6/29/10		
EP	GRANTED	ORD	90307148.8	29-Jun-1990	0406008	21-Sep-1994		6/29/10		
FR	GRANTED	EPC	90307148.8	29-Jun-1990	0406008	21-Sep-1994		6/29/10		
GB	GRANTED	EPC	90307148.8	29-Jun-1990	0406008	21-Sep-1994		6/29/10		
JP	GRANTED	ORD	174291/90	30-Jun-1990	2555212	22-Aug-1996		6/30/10		
US	-1 GRANTED	CIP	574807	30-Aug-1990	5149518	22-Sep-1992	LE	9/22/09		

Wednesday, May 06, 1998 Master List By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
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016203	FJM	FILED	STABLE BLISTER FREE FLEXIBLE GRAPHITE AND METHOD	BRETZ, RI GREINKE, RA
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Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
JP	-1	PENDING	ORD 239612/92	08-Sep-1992						
US	-2	ABANDON	CON 278988	22-Jul-1994						
US	-3	GRANTED	CON 532365	22-Sep-1995	5582811	10-Dec-1996	LE			

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016287	FJM	FILED	FLEXIBLE GRAPHITE LAMINATE	HOWARD, RA POLOMSKY, JJ

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD	2035092	28-Jan-1991	2035092	13-Jun-1995		1/28/11	814
DE	PENDING	EPC	69117992.1-08	26-Jan-1991				1/26/11	
EP	GRANTED	ORD	91101011.4	26-Jan-1991	0440116	20-Mar-1996		1/26/11	
FR	PENDING	EPC	91101011.4	26-Jan-1991				1/26/11	
GB	PENDING	EPC	91101011.4	26-Jan-1991				1/26/11	
IT	PENDING	EPC	91101011.4	26-Jan-1991				1/26/11	
JP	PENDING	ORD	028107/91	29-Jan-1991					
US	GRANTED	ORD	471531	29-Jan-1990	4961991	09-Oct-1990	LE	10/9/07	

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Filing Date	Disclosure Status	Title	Inventors
016612	FJM	FILED		METHOD OF FABRICATING A FLEXIBLE GRAPHITE LAMINATE WITH A METAL OR FIBERGLASS CORE	MERCURI, RA OHNETH, EJ

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	-3	ABANDON	CON 393236	23-Feb-1995					LE	
US	-4	FILED	CON 910476	25-Jul-1997					LE	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016618	FJM	FILED	FLEXIBLE GRAPHITE COMPOSITE FIRE RETARDANT WALLPAPER AND METHOD	HOWARD, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	GRANTED	EPC	92307159.1	05-Aug-1992	69204399	30-Aug-1995		8/5/12	
EP	GRANTED	ORD	92307159.1	05-Aug-1992	0527046	30-Aug-1995		8/5/12	
FR	GRANTED	EPC	92307159.1	05-Aug-1992	0527046	30-Aug-1995		8/5/12	
GB	GRANTED	EPC	92307159.1	05-Aug-1992	0527046	30-Aug-1995		8/5/12	
JP	PENDING	ORD	206755/92	03-Aug-1992					
US	GRANTED	ORD	742641	06-Aug-1991	5176863	05-Jan-1993	LE	1/5/10	

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016715	FJM	FILED	METHOD AND ASSEMBLY FOR REINFORCING FLEXIBLE GRAPHITE AND ARTICLE	HOWARD, RA MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	GRANTED	EPC	92305069.4	02-Jun-1992	69222472.6	23-Dec-1992		6/2/12	
EP	GRANTED	ORD	92305069.4	02-Jun-1992	0519620	01-Oct-1997		6/2/12	
FR	PENDING	EPC	92305069.4	02-Jun-1992				6/2/12	
GB	PENDING	EPC	92305069.4	02-Jun-1992				6/2/12	
JP	PENDING	ORD	141738/92	02-Jun-1992					
US	GRANTED	ORD	709214	03-Jun-1991	5198063	30-Mar-1993	LE	3/30/10	
US	-1 ABANDON	DIV	962334	16-Oct-1992			LE		
US	-2 ABANDON	CON	326755	20-Oct-1994			LE		
US	-3 PENDING	CON	674897	03-Jul-1996			LE		

Wednesday, May 06, 1998 Master List By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016742	FJM	FILED	LOW SURFACE ACID INTERCALATED GRAPHITE AND METHOD	BRETZ, RI GREINKE, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub Case Status	Country	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
-1	US	GRANTED CON	953293	30-Sep-1992	5376450	27-Dec-1994	LE	12/27/11		

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016764	FJM	FILED	EPOXY RESIN BONDED FLEXIBLE GRAPHITE LAMINATE AND METHOD	LEWIS, RT MERCURI, RA OHNETH, EJ

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US GRANTED	ORD	769554	01-Oct-1991	5192605	09-Mar-1993	LE	3/9/10		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016919	FJM	FILED	EXHAUST SEAL RING	MERCURI, RA WEBER, TW

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub Country	Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	GRANTED	ORD			5451064	19-Sep-1995		9/19/12		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017197	FJM	FILED	FLAME RETARDANT ORIENTED STRAND BOARD STRUCTURE ELEMENT	FORD, BM POLLOCK, MW WETULA, JJ

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AU	PENDING	ORD	17781/95	01-May-1995				5/1/15	
CA	PENDING	ORD	2151538	12-Jun-1995				6/12/15	
DE	PENDING	EPC	95303023.6	03-May-1995				5/3/15	
EP	PUBLISHED	ORD	95303023.6	03-May-1995				5/3/15	
FI	PENDING	ORD	95/2072	28-Apr-1995				4/28/15	
FR	PENDING	EPC	95303023.6	03-May-1995				5/3/15	
GB	PENDING	EPC	95303023.6	03-May-1995				5/3/15	
JP	PENDING	ORD	134243/95	31-May-1995					
NO	PENDING	ORD	95/1655	28-Apr-1995				4/28/15	
US	GRANTED	ORD	282908	29-Jul-1994	5443894	22-Aug-1995	LE	8/22/12	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017265	FJM	FILED	FIRE-RESISTANT SHEET MATERIAL	FORD, BM MERCURI, RA WEBER, TW

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AU	PENDING	ORD	5034696	28-Mar-1996				3/28/16		
CA	PENDING	ORD	2172878	28-Mar-1996				3/28/16		
DE	PENDING	EPC		13-Mar-1996						
EP	PUBLISHED	ORD	96302098.7	27-Mar-1996				3/27/16		
FI	PENDING	EPC		13-Mar-1996						
FR	PENDING	EPC		13-Mar-1996						
GB	PENDING	EPC		13-Mar-1996						
IT	PENDING	EPC		13-Mar-1996						
JP	PENDING	ORD	077292/96	29-Mar-1996				3/29/16		
NO	PENDING	ORD	P961219	26-Mar-1996						
US	ABANDON	ORD	412914	29-Mar-1995			LE			
US	-1 PENDING	CON	937416	07-Oct-1997			LE			

Master List By Division and Case Number

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Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017266	FJM	FILED	GAS FILTERING DEVICE FOR AIR BAG GENERATOR	FORD, BM WETULA, JJ

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AU	PENDING	ORD	40972/96	15-Jan-1996				1/15/16		
CA	PENDING	ORD	2167227	15-Jan-1996				1/15/16		
DE	PENDING	EPC		19-Dec-1995				12/19/15		
EP	PUBLISHED	ORD	96300287.8	16-Jan-1996				1/16/16		
FR	PENDING	EPC		19-Dec-1995				12/19/15		
GB	PENDING	EPC		19-Dec-1995				12/19/15		
IT	PENDING	EPC		19-Dec-1995				12/19/15		
JP	PENDING	ORD	005454/96	17-Jan-1996				1/17/16		
MX	PENDING	ORD	9600255	16-Jan-1996				1/16/16		
US	GRANTED	ORD	373593	17-Jan-1995	5494506	27-Feb-1996	LE			

Master List By Division and Case Number

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Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
030008	FJM	Open	FLEXIBLE GRAPHITE COMPOSITE SHEET AND METHOD	MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
TW FILED	ORD	87104061	23-Mar-1998					
US PENDING	ORD	819744	18-Mar-1997			LE		
US -1 PENDING	CIP	887188	02-Jul-1997			LE		
WO FILED	ORD							845

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
030010	FJM	Open	FLEXIBLE GRAPHITE COMPOSITE	CAPP, JP GOUGH, JJ MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
TW	FILED	ORD	87104727	30-Mar-1998					
US	PENDING	ORD	833136	04-Apr-1997			LE		
US	-1 PENDING	CIP	886875	02-Jul-1997			LE		
US	-2 PENDING	CIP	900736	25-Jul-1997			LE		
US	1a ABANDON	CIP	906835	06-Aug-1997			LE		
WO	FILED	ORD							

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
030011	FJM	Open	OXIDATION AND CORROSION RESISTANT FLEXIBLE GRAPHITE COMPOSITE SHEET AND METHOD	BLAIN, DP MCGLAMERY, JT MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
TW	FILED	ORD	87104730	30-Mar-1998					
TW	-1 FILED	ORD	87104728	30-Mar-1998			LE		
US	PENDING	ORD	833356	04-Apr-1997			LE		
US	-1 PENDING	CIP	887190	02-Jul-1997			LE		845
WO	FILED	ORD							845
WO	-1 FILED	ORD							845

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
030012	FJM	Open	FLEXIBLE GRAPHITE COMPOSITE ARTICLE FOR PROTECTION AGAINST THERMAL DAMAGE	KRASSOWSKI, DW MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	PENDING	ORD	872428	10-Jun-1997				LE	

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
030013	FJM	Open	FLEXIBLE GRAPHITE SHEET WITH DECREASED ANISOTROPY	MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	PENDING	ORD	883386	26-Jun-1997		LE			

Master List By Division and Case Number

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Division: FLXGR Flexible Graphite Related

Case Number Attorney Disclosure Status Title Inventors

030014 FJM Open ELECTRICALLY CONDUCTIVE SEAL FOR GOUGH, JJ
FUJEL CELL ELEMENTS MERCURI, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case Status	Type	Number	Number	Date	Schedule	Date		
US	PENDING	ORD	934292						

19-Sep-1997

LE

Division: FLXGR Flexible Graphite Related

Case Number	Attorney	Disclosure Status	Title	Inventors
030015	FJM	Open	EXPANDABLE GRAPHITE AND METHOD	GREINKE, RA

Owner: UCAR Carbon Technology Corp.

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	Pending	ORD	015590	29-Jan-1998				LE	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: FLXGR Flexible Graphite Related

Case Number Attorney Disclosure Status Title Inventors

030016 FJM Open INTUMESCENT COMPOSITION AND METHOD

Owner: UCAR Carbon Technology Corp.

Sub Case Status Case Type Application Number Filing Date Patent Number Issue Date Tax Schedule Expiration Date Agent Agent Ref #

US Pending ORD 02-Jan-1998 LE

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
009756	FJM	FILED	FRIABLE SOCKET THREAD ELECTRODE JOINT	BURWELL, WH

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
BE	-1	ABANDON	ORD		06-Jun-1978	867880	06-Dec-1978		6/6/98		
CA	-1	GRANTED	ORD			1103729	23-Jun-1981		6/23/98		
DE	-1	ABANDON	ORD	P2824385.8	03-Jun-1978	2824385	05-May-1983		6/3/98		
ES		ABANDON	ORD	470546		470546	20-Jun-1979	OL	7/20/99		
ES	-1	ABANDON	DIV	478630		478630	21-Mar-1979		3/21/99		
FR	-1	ABANDON	ORD	78/16895	06-Jun-1978	78/16895	30-Apr-1984		6/6/98		
GB	-1	ABANDON	ORD		06-Jun-1978	2000669	03-Mar-1982		6/6/98		
IT	-1	ABANDON	ORD		06-Jun-1978	1105325	28-Oct-1985		6/6/98		
JP	-1	ABANDON	ORD	067352/78	06-Jun-1978	1093323	16-Apr-1982		6/6/98		
SE	-1	ABANDON	ORD	7806146-2	29-May-1978	7806146-2	01-Dec-1983		5/29/98		
US	-1	GRANTED	CIP			4159184	26-Jun-1979		6/26/96		

TRADEMARK

REEL: 1769 FRAME: 0139

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number Attorney Disclosure Status Title Inventors

012026 FJM FILED METHOD AND APPARATUS FOR ORIENTATION OF ELECTRODE JOINT THREADS BELZ, HM

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	GRANTED ORD	079886	28-Sep-1979	1169900	26-Jun-1984		6/26/01		
US	GRANTED ORD	079886	28-Sep-1979	4349910	14-Sep-1982	NT	9/14/99		

Division: GRER Graphite Electrode Related
Case Number **Attorney** **Disclosure Status** **Title** **Inventors**
 012276 FJM FILED MANUFACTURE OF HIGH QUALITY KORTOVICH, JW
 GRAPHITE ELECTRODES USING CALCINED MICINSKI, E
 ANTHRACITE COAL AS RAW MATERIAL
Owner: UCAR CARBON TECHNOLOGY CORP

Sub Country	Case Status	Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	-2	ABANDON	CIP 552734	17-Nov-1983	4534951	13-Aug-1985	LE	8/13/02	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
012326	FJM	FILED	HIGH TAPER ANGLE CONNECTING PIN FOR GRAPHITE ELECTRODE JOINTS	SELDIN, EJ WENG, TL

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1148202	14-Jun-1983		6/14/00	
DE	ABANDON	EPC	80303383.6	26-Sep-1980	P3071724.9	27-Aug-1986		9/26/00	
EP	GRANTED	ORD	80303383.6	26-Sep-1980	0026646	27-Aug-1986		9/26/00	
FR	ABANDON	EPC	80303383.6	26-Sep-1980	0026646	27-Aug-1986		9/26/00	
GB	ABANDON	EPC	80303383.6	26-Sep-1980	0026646	27-Aug-1986		9/26/00	
IT	ABANDON	EPC	80303383.6	26-Sep-1980	0026646	27-Aug-1986	EP	9/26/00	
US	GRANTED	ORD	079887	28-Sep-1979	4290709	22-Sep-1981	NT	9/22/98	

Master List By Division and Case Number

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Division: GRER Graphite Electrode Related

Case Number Attorney Disclosure Status Title Inventors

012994 FJM FILED METHOD FOR PRODUCING LOW SULFUR DIDCHENKO, R
 PREMIUM COKE FROM HIGH SULFUR LEWIS, IC
 DECANT OILS

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	ABANDON	EPC	82303429.3	30-Jun-1982	P3274878.5	30-Dec-1986		6/30/02	
EP	GRANTED	ORD	82303429.3	30-Jun-1982	0068898	30-Dec-1986		6/30/02	
GB	ABANDON	EPC	82303429.3	30-Jun-1982	0068898	30-Dec-1986		6/30/02	
NL	ABANDON	EPC	82303429.3	30-Jun-1982	0068898	30-Dec-1986	OL	6/30/02	
US	-5 GRANTED	ORD	355833	22-May-1989	5167796	01-Dec-1992	LE	12/1/09	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
013250	FJM	FILED	PREMIUM COKE FROM A BLEND OF PYROLYSIS TAR & HYDROTREATED DECANT OIL	DICKINSON, EM MOORE, AW

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	ABANDON	EPC	82201675.4	29-Dec-1982	P3268721.4	22-Jan-1986		12/29/02	
EP	GRANTED	ORD	82201675.4	29-Dec-1982	0083143	22-Jan-1986		12/29/02	
ES	ABANDON	ORD	518648		518648	05-Apr-1984	OL	4/4/04	
GB	ABANDON	EPC	82201675.4	29-Dec-1982	0083143	22-Jan-1986		12/29/02	
JP	ABANDON	ORD	227202/87	27-Dec-1982	1498938	29-May-1989		12/27/02	
NL	ABANDON	EPC	82201675.4	29-Dec-1982	0083143	22-Jan-1986	OL	12/29/02	
US	GRANTED	CON	696417	30-Jan-1985	4740293	26-Apr-1988	LE	4/26/05	
ZA	ABANDON	ORD	82/9563	29-Dec-1982	82/9563	26-Oct-1983		12/29/02	

TRADEMARK

REEL: 1769 FRAME: 0144

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
013503	FJM	FILED	METHOD & ARTICLE FOR PROTECTING TAPERED THREADED ELECTRODE JOINTS BY USE OF AN ALIGNMENT MECHANISM	BELZ, HM STIEBER, HC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
BR		ABANDON	ORD	PI8303454.4	28-Jun-1983	PI8303454.4	29-May-1990		6/28/98		
CA		GRANTED	ORD			1204137	06-May-1986	OL	5/6/03		
DE		ABANDON	EPC	83106183.3	24-Jun-1983	P3372317.6	01-Jul-1987		6/24/03		
EP		GRANTED	ORD	83106183.3	24-Jun-1983	0101819	01-Jul-1987		6/24/03		
ES	-1	ABANDON	DIV	534293		534293	11-Mar-1986		5/11/06		
ES	-2	ABANDON	UTM	285247		285247	26-Feb-1986	OL	2/26/06		
FR		ABANDON	EPC	83106183.3	24-Jun-1983	0101819	01-Jul-1987		6/24/03		
GB		ABANDON	EPC	83106183.3	24-Jun-1983	0101819	01-Jul-1987		6/24/03		
IT		ABANDON	EPC	83106183.3	24-Jun-1983	0101819	01-Jul-1987	EP	6/24/03		
JP		ABANDON	ORD			1532571	24-Nov-1989		6/29/03		
MX		GRANTED	ORD			153994	18-Mar-1987	TP	3/18/01		
SE		ABANDON	EPC	83106183.3	24-Jun-1983	0101819	01-Jul-1987	EP	6/24/03		
US		GRANTED	ORD	393989	30-Jun-1982	4435816	06-Mar-1984	LE	3/6/01		
ZA		ABANDON	ORD	83/4059	03-Jun-1983	83/4059	28-Mar-1984		6/3/03		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
013795	FJM	FILED	UPGRADING OF PYROLYSIS TAR USING ACIDIC CATALYSTS	DICKINSON, EM DIDCHENKO, R

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	GRANTED ORD	684139	20-Dec-1984	4740291	26-Apr-1988	LE	4/26/05		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
014186	FJM	FILED	ESTERS AS PITCH PLASTICIZERS	LEWIS, RT TALLON, JA

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US -1	GRANTED CON	862695	13-May-1986	4715897	29-Dec-1987	LE	12/29/04		

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
014291	FJM	FILED	UPGRADING OF PYROLYSIS TAR	DICKINSON, EM DIDCHENKO, R

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	GRANTED ORD	684140	20-Dec-1984	4762608	09-Aug-1988	LE	8/9/05	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
014361	FJM	FILED	NITRO-SUBSTITUTED PITCH AND PROCESS FOR THE PRODUCTION THEREOF	LEWIS, IC

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US -1	GRANTED CON	936733	17-Nov-1986	4755276	05-Jul-1988	LE	7/5/05		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related
Case Number Attorney Disclosure Status Title Inventors
014713 FJM FILED HIGH COKING VALUE PITCH BINDERS GREINKE, RA

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	GRANTED	ORD 804894	05-Dec-1985	4762566	09-Aug-1988	LE	8/9/05		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
014744	FJM	FILED	ELECTRODE MEMBER AND PROCESS FOR THE PRODUCTION THEREOF	CHRYSSOMALLIS, GS LEWIS, IC NAZEM, F SINGER, LS

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US GRANTED	ORD	680995	13-Dec-1984	4729689	08-Mar-1988	LE	3/8/05	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
014783	FJM	FILED	ELECTRODE JOINT THREAD FORM	BURWELL, WH

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	-1	GRANTED	ORD		1297145	10-Mar-1992	OL	3/10/09	
DE		GRANTED	EPC	15-May-1986	0202128	12-Feb-1992		5/15/06	
EP		GRANTED	ORD	15-May-1986	0202128	12-Feb-1992		5/15/06	
EP	-1	PENDING	ORD	16-Jun-1987				6/16/07	
FR		GRANTED	EPC	15-May-1986	0202128	12-Feb-1992		5/15/06	
GB		GRANTED	EPC	15-May-1986	0202128	12-Feb-1992		5/15/06	
IT		GRANTED	EPC	15-May-1986	0202128	12-Feb-1992	EP	5/15/06	
MX		GRANTED	ORD	15-May-1986	168315	18-May-1993		5/15/06	
MX	-1	GRANTED	ORD	16-Jun-1987	168890	14-Jun-1993		6/16/07	
US	-1	GRANTED	CIP	17-Jun-1986	4679206	07-Jul-1987	LE	7/7/04	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
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014852	FJM	FILED	OXIDATION RETARDED GRAPHITE OR CARBON ELECTRODE AND METHOD FOR PRODUCING THE ELECTRODE	CHIU, CC
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Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	GRANTED	ORD			1287862	20-Aug-1991	OL	8/20/08		
DE	ABANDON	EPC	P3669253.0	13-Nov-1986	0223205	28-Feb-1990		11/13/06		
EP	GRANTED	ORD	86115772.5	13-Nov-1986	0223205	28-Feb-1990		11/13/06		
ES	GRANTED	EPC	86115772.5	13-Nov-1986	0223205	28-Feb-1990		11/13/06		
FR	GRANTED	EPC	86115772.5	13-Nov-1986	0223205	28-Feb-1990		11/13/06		
GB	GRANTED	EPC	86115772.5	13-Nov-1986	0223205	28-Feb-1990		11/13/06		
IT	GRANTED	EPC	86115772.5	13-Nov-1986	0223205	28-Feb-1990	EP	11/13/06		
JP	ABANDON	ORD	27084786	13-Nov-1986	1571810	25-Jul-1990		11/13/06		
US	GRANTED	ORD	797671	13-Nov-1985	4726995	23-Feb-1988	LE	2/23/05		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number Attorney Disclosure Status Title Inventors

015057	FJM	FILED	CARBON-CARBON COMPOSITES CONTAINING POORLY GRAPHITIZING PITCH AS A BINDER AND/OR IMPREGNANT HAVING A REDUCED COEFFICIENT OF THERMAL EXPANSION AND IMPROVED FLEXURAL STRENGTH	HOWARD, RA LEWIS, IC
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Owner: UCAR CARBON TECHNOLOGY CORP

Sub	GRANTED	GRAS	Application	Filing	Patent	Issue	1995	Tax	Expiration
CA	GRANTED	ORD	P3635720.0	28-Oct-1986	1535525	24-Sep-	1995		10/28/06
DE	ABANDON	ORD	86/14632	28-Oct-1986					10/28/06
FR	PENDING	ORD	86/25312	28-Oct-1986		13-May-	1998		10/28/06
GB	GRANTED	ORD	48573A/86	28-Oct-1986					10/28/06
IT	PENDING	ORD	790236	22-Oct-1985	5413738	09-May-	1995	LE	5/9/12
US	GRANTED	ORD	377467	24-Jan-1995	5688155	18-Nov-	1997	LE	
US	-1	GRANTED	DIV	451537	5607770	04-Mar-	1997	LE	
US	-2	GRANTED	DIV						

TRADEMARK

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
015302	FJM	FILED	HIGH COKING VALUE BINDER SYSTEM	CHIU, CC

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US GRANTED	ORD	038065	14-Apr-1987	4844740	04-Jul-1989	LE	7/4/06		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number Attorney Disclosure Status Title Inventors

015290 FJM FILED ELECTRODE JOINT DAGATA, FJ

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AT	ABANDON	EPC	87112798.1	02-Sep-1987	0260529	11-Dec-1991	EP	9/2/07		
BE	ABANDON	EPC	87112798.1	02-Sep-1987	0260529	11-Dec-1991		9/2/07		
DE	ABANDON	EPC	87112798.1	02-Sep-1987	0260529	11-Dec-1991		9/2/07		
EP	GRANTED	ORD	87112798.1	02-Sep-1987	0260529	11-Dec-1991		9/2/07		
EP	-1	OPPOSITIO	87112798.1	02-Sep-1987	0260529	11-Dec-1991		9/2/07		
ES	ABANDON	EPC	87112798.1	02-Sep-1987	0260529	11-Dec-1991		9/2/07		
FR	ABANDON	EPC	87112798.1	02-Sep-1987	0260529	11-Dec-1991		9/2/07		
GB	ABANDON	EPC	87112798.1	02-Sep-1987	0260529	11-Dec-1991		9/2/07		
IT	ABANDON	EPC	87112798.1	02-Sep-1987	0260529	11-Dec-1991	EP	9/2/07		
JP	PUBLISHED	ORD	220566/87	04-Sep-1987						
JP	-1	ABANDON	220566/87	04-Sep-1987						
US	GRANTED	ORD	904067	05-Sep-1986	4725161	16-Feb-1988	LE	2/16/05		

TRADEMARK

REEL: 1769 FRAME: 0156

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
015498	FJM	FILED	JOINT FOR CARBON ELECTRODES	DAGATA, FJ

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US GRANTED	ORD	190681	05-May-1988	4813805	21-Mar-1989	LE	3/21/06	

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
015715	FJM	FILED	TREATMENT OF PETROLEUM COKES TO INHIBIT COKE PUFFING	BALL, DR ORAC, TH QUANDT, HC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AU	ABANDON	ORD	38884/89	24-Jul-1989	616783			7/24/09	
AU	-1 ABANDON	DIV	81620/91	05-Aug-1991	639356	21-May-1993		7/24/09	
BG	ABANDON	ORD	89/00322	24-Jul-1989	60565	11-Mar-1997		7/24/09	
BR	PENDING	ORD	PI8903713.8	26-Jul-1989				7/26/04	
CA	GRANTED	ORD			1322184	14-Sep-1993	OL	9/14/10	
CN	GRANTED	ORD	89107310.8	24-Jul-1989	89107310.8	14-Apr-1995	OL	7/24/04	
CZ	PENDING	ORD	PV4524/89	27-Jul-1989				7/27/09	
DD	GRANTED	ORD		24-Jul-1989	287526	28-Feb-1991	OL	7/24/07	
DE	GRANTED	EPC	89307474.0	22-Jul-1989	0410050	18-Nov-1993		7/22/09	
EP	GRANTED	ORD	89307474.0	22-Jul-1989	0410050	18-Nov-1993		7/22/09	
ES	GRANTED	EPC	89307474.0	22-Jul-1989	2050242	18-Nov-1993		7/22/09	
GB	GRANTED	EPC	89307474.0	22-Jul-1989	0410050	18-Nov-1993		7/22/09	
HR	ABANDON	ORD	P920446A	23-Sep-1992				9/23/12	
ID	PENDING	ORD	P-003978	29-Jul-1992				7/29/08	
IN	GRANTED	ORD	648/DEL/89	24-Jul-1989	175748	24-Jul-1989		7/24/03	690
IT	ABANDON	EPC	89307474.0	22-Jul-1989	0410050	18-Nov-1993	EP	7/22/09	
JP	PUBLISHED	ORD	191243/89	24-Jul-1989	1981115			7/24/09	
KR	GRANTED	ORD			73587	13-May-1994	OL	12/22/08	
MX	GRANTED	ORD		24-Jul-1989	170984	22-Sep-1993		7/24/09	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
015715	FJM	FILED	TREATMENT OF PETROLEUM COKES TO INHIBIT COKE PUFFING	BALL, DR ORAC, TH QUANDT, HC

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Country	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
	NL	ABANDON	EPC 89307474.0	22-Jul-1989	0410050	18-Nov-1993	OL	7/22/09		
	NO	ABANDON	ORD 89/3015	24-Jul-1989	302024	24-Jul-1989		7/24/09		
	PL	GRANTED	ORD	24-Jul-1989	163084	08-Sep-1994		7/24/09		
	RO	GRANTED	ORD	16-Aug-1989	106118	29-Jan-1993		8/16/09		
	RU	GRANTED	ORD 4614772	24 Jul-1989	2081152	10-Jun-1997		7/24/09		
	TW	GRANTED	ORD 78106393		NI-42758	05-Mar-1991		11/11/05		
	US	GRANTED	ORD 164749	07 Mar-1988	4875979	24-Oct-1989	LE	10/24/06		
-2	US	GRANTED	CON 624475	10-Dec-1990	5110359	05-May-1992	LE	5/5/09		
-3	US	GRANTED	DIV 755559	05-Sep-1991	5118287	02-Jun-1992	LE	6/2/09		
	YU	PENDING	ORD P1478/89	24-Jul-1989				7/24/09		
	ZA	GRANTED	ORD 89/5627	24-Jul-1989	89/5627	31-Oct-1990		7/24/09		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016075	FJM	FILED	PLASTICIZER AND METHOD OF PREPARING PITCH FOR USE IN CARBON AND GRAPHITE PRODUCTION	LEWIS, IC PIRRO, TA

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Country	Case Status	Type	Case Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	ABANDON	ORD	419277	10-Oct-1989	4971679	20-Nov-1990	LE	11/20/07		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016468	FJM	FILED	APPARATUS FOR TREATMENT OF PETROLEUM COKES WITH A PUFFING INHIBITOR IN A ROTARY CALCINER	ORAC, TH

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
DE	GRANTED	EPC	91203318.0	16-Dec-1991	0491442	01-Jun-1994		12/16/11		
EG	GRANTED	ORD	760/91	16-Dec-1991	20210	30-Nov-1997		12/16/11		
EP	GRANTED	ORD	91203318.0	16-Dec-1991	0491442	01-Jun-1994		12/16/11		
ES	GRANTED	EPC	91203318.0	16-Dec-1991	0491442	01-Jun-1994		12/16/11		
NL	ABANDON	EPC	91203318.0	16-Dec-1991	0491442	01-Jun-1994	OL	12/16/11		
US	-4 GRANTED	CON	390922	15-Feb-1995	5478442	26-Dec-1995	LE	2/15/15		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016694	FJM	FILED	METHOD FOR OPERATING AN ELECTRODE GRAPHITIZATION FURNACE	DAGATA, FJ POLITOWICZ, KG

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Case Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US GRANTED	ORD	677109	29-Mar-1991	5117439	26-May-1992	LE	5/26/09	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
016850	FJM	FILED	PITCH BASED IMPREGNANT FOR CARBON AND GRAPHITE AND METHOD	LEWIS, IC PIRRO, TA

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
DE	ABANDON	EPC	93104920.9	25-Mar-1993				3/25/13	
EP	ABANDON	ORD	93104920.9	25-Mar-1993	0562591	18-Dec-1996		3/25/13	
FR	ABANDON	EPC	93104920.9	25-Mar-1993				3/25/13	
GB	ABANDON	EPC	93104920.9	25-Mar-1993				3/25/13	
US	-2 GRANTED	CON	504187	19-Jul-1995	5501729	26-Mar-1996	LE		

Master List By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017054	FJM	FILED	SELF CENTERING ELECTRODE JOINT	COLEMAN, PD FULGENZI, CF KLOTZ, JA STEWART, JR

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AR	PENDING	ORD	326661	24-Nov-1993					
AU	GRANTED	ORD	51932/93	24-Nov-1993	663839	19-Oct-1995		11/24/13	
BO	PENDING	ORD	B-000196	25-Nov-1993					
BR	PENDING	ORD	PI9304811-4	24-Nov-1993				11/24/08	
CA	GRANTED	ORD	2109909	24-Nov-1993	2109909	30-Jul-1996	PA	11/24/13	
CN	PENDING	ORD	93120594.8	24-Nov-1993				11/24/13	
DE	GRANTED	EPC	69314749.0-08	19-Nov-1993	599211	22-Oct-1997		11/19/13	
DO	PENDING	ORD		08-Sep-1993					
EP	GRANTED	ORD	93118639.9	19-Nov-1993	599211	22-Oct-1997		11/19/13	
ES	GRANTED	EPC	93118639.9	19-Nov-1993	ES2108190T3	22-Oct-1997		11/19/13	
FR	GRANTED	EPC	93118639.9	19-Nov-1993	599211	22-Oct-1997		11/19/13	
IN	PENDING	ORD	1320/DEL/93	24-Nov-1993				11/24/07	
IT	GRANTED	EPC	93118639.9	19-Nov-1993	27669/BE/97	01-Oct-1997		11/19/13	
NO	PENDING	ORD	93/4255	24-Nov-1993				11/24/13	
PL	PENDING	ORD	P301186	24-Nov-1993				11/24/13	
RU	PENDING	ORD	93052366.0	24-Nov-1993				11/24/13	
UA	PENDING	ORD	93003756	08-Sep-1993				9/8/13	
US	GRANTED	ORD	981606	25-Nov-1992	5336015	09-Aug-1994	LE	8/9/11	
VE	PENDING	ORD	1798/93	24-Nov-1993				11/24/13	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017054	FJM	FILED	SELF CENTERING ELECTRODE JOINT	COLEMAN, PD FULGENZI, CF KLOTZ, JA STEWART, JR

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Country	Case Status	Type	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
YU	ABANDON	ORD	ORD	P0734/93	24-Nov-1993				11/24/13	
ZA	PENDING	ORD	ORD	93/8797	24-Nov-1993				11/24/13	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors					
017188	FJM	FILED	FASTENING ELEMENT FOR SECURING ELECTRODE JOINTS	BJORNESTAD, JL FRASTACI, M HOTCHKISS, OW MONCRIEF, HC SMITH, RE WISE, FE					
Owner: UCAR CARBON TECHNOLOGY CORP									
Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BE	PENDING	EPC	94100139.8	07-Jan-1994				1/7/14	
DE	PENDING	EPC	94100139.8	07-Jan-1994				1/7/14	
EP	PENDING	ORD	94100139.8	07-Jan-1994				1/7/14	
ES	PENDING	EPC	94100139.8	07-Jan-1994				1/7/14	
FR	PENDING	EPC	94100139.8	07-Jan-1994				1/7/14	
GB	PENDING	EPC	94100139.8	07-Jan-1994				1/7/14	
IN	PENDING	ORD		08-Dec-1993				12/8/07	
IT	PENDING	EPC	94100139.8	07-Jan-1994				1/7/14	
JP	PENDING	ORD	006350/94	25-Jan-1994					
KR	PENDING	ORD	0689/94	17-Jan-1994					
LU	PENDING	EPC	94100139.8	07-Jan-1994				1/7/14	
MX	GRANTED	ORD	9400373	11-Jan-1994	185080	20-Jun-1997		1/11/14	
MY	PENDING	ORD	P19400066	11-Jan-1994					
TR	ABANDON	ORD	0071/94	17-Jan-1994				1/17/09	
TW	GRANTED	ORD	83102453	21-Mar-1994	NI086775	21-May-1997			
US	GRANTED	ORD	153624	17-Nov-1993	5415755	16-May-1995	LE	5/16/12	

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REEL: 1769 FRAME: 0166

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017198	FJM	FILED	CONTINUOUS METHOD FOR INCREASING THE Q.I. CONCENTRATION OF LIQUID TAR WHILE CONCURRENTLY PRODUCING A Q.I. FREE TAR	CHANG, CF GILLESKIE, GL KELLER, GE LEWIS, IC SHAO, RL

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BR	PENDING	ORD	PI9601166-1	28-Mar-1996				3/11/16	212
DE	PENDING	EPC	95308207.0	16-Nov-1995				11/16/15	
EP	PUBLISHED	ORD	95308207.0	16-Nov-1995				11/16/15	
ES	PENDING	EPC	95308207.0	16-Nov-1995				11/16/15	
FR	PENDING	EPC	95308207.0	16-Nov-1995				11/16/15	
IT	PENDING	EPC	95308207.0	16-Nov-1995				11/16/15	
JP	PENDING	ORD	025672/96	13-Feb-1996			LE	2/13/16	
US	GRANTED	ORD	341395	17-Nov-1994	5534133	09-Jul-1996	LE		
ZA	GRANTED	ORD	962599	01-Apr-1996	96/2599	31-Dec-1996		4/1/16	

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017253	FJM	FILED	FASTENING DEVICE FOR SECURING ELECTRODE JOINTS	FRASTACI, M

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BE	PENDING	EPC		29-Dec-1995				12/29/15	
CA	PENDING	ORD	2167226	15-Jan-1996				1/15/16	
CN	PUBLISHED	ORD	96104322.9	17-Jan-1996			PA	1/17/16	160
DE	PENDING	EPC		29-Dec-1995				12/29/15	
EP	PUBLISHED	ORD	96300288.6	16-Jan-1996				1/16/16	
ES	PENDING	EPC		29-Dec-1995				12/29/15	
FR	PENDING	EPC		29-Dec-1995				12/29/15	
GB	PENDING	EPC		29-Dec-1995				12/29/15	
IT	PENDING	EPC		29-Dec-1995				12/29/15	
JP	PENDING	ORD	006811/96	18-Jan-1996				1/18/16	
KR	PENDING	ORD	698/96	16-Jan-1996				1/16/16	
MX	PENDING	ORD	960232	15-Jan-1996				1/15/16	
MY	PENDING	ORD	P19600155	16-Jan-1996				1/16/16	
TR	ABANDON	ORD	96/00033	16-Jan-1996				1/16/11	
TW	GRANTED	ORD	85100159	08-Jan-1996	NI084090	21-Jan-1997		1/8/16	
US	GRANTED	ORD	374937	18-Jan-1995	5575582	19-Nov-1996	LE		

TRADEMARK

REEL: 1769 FRAME: 0168

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017413	FJM	Filed	APPARATUS FOR LENGTHWISE GRAPHITIZATION (LWG) OF CARBON ELECTRODE BODIES	INTERMILL, AW LEHR, DA WISE, FE

Sub Country	Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BE	FILED	EPC		08-Nov-1996					845
BR	FILED	ORD	P19605639-8	20-Nov-1996					212
CA	FILED	ORD	2190680	19-Nov-1996					814
CN	PUBLISHED	ORD	96123339.7	20-Nov-1996					160
DE	FILED	EPC		08-Nov-1996					845
EG	FILED	ORD	1029/96	20-Nov-1996					306
EP	FILED	ORD	96308309.2	18-Nov-1996					845
ES	FILED	EPC		08-Nov-1996					845
FR	FILED	EPC		08-Nov-1996					845
GB	FILED	EPC		08-Nov-1996					845
IN	FILED	ORD	2540/DEL/199	19-Nov-1996					690
IR	FILED	ORD		08-Nov-1996					071
IT	FILED	EPC		08-Nov-1996					845
JP	FILED	ORD	309763/96	20-Nov-1996					460
KR	FILED	ORD	55535/96	20-Nov-1996					588
MX	FILED	ORD	965697	19-Nov-1996					612
MY	FILED	ORD	P19604796	19-Nov-1996					805
PL	FILED	ORD		20-Nov-1996					996
RO	FILED	ORD	96-02174	19-Nov-1996					701

Division: GRER Graphite Electrode Related

Case Number	Attorney	Disclosure Status	Title	Inventors
017413	FJM	Filed	APPARATUS FOR LENGTHWISE GRAPHITIZATION (LWG) OF CARBON ELECTRODE BODIES	INTERMILL, AW LEHR, DA WISE, FE

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
RU	FILED	ORD	96122394	19-Nov-1996					901	
SA	FILED	ORD		08-Nov-1996					803	
TW	FILED	ORD	86100105	07-Jan-1997					970	
US	GRANTED	ORD	561369	21-Nov-1995	5631919	20-May-1997	LE			
ZA	GRANTED	ORD	969732	19-Nov-1996	969732	27-Aug-1997			009	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
015720	FJM	FILED	FURNACE COOLING SYSTEM AND METHOD	ENGSTROM, RJ HEGGART, RG MCCLINTOCK, WK

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AR	GRANTED	ORD			237447	29-Jul-1988		7/29/03		
AT	GRANTED	EPC	85905348.0	15-Oct-1985	59101	12-Dec-1990	EP	10/15/05		
AU	GRANTED	PCT		15-Oct-1985	592957	01-Aug-1990		10/15/05		
BE	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		
BR	GRANTED	PCT	P18506980.9	15-Oct-1985	P18506980.9	25-Sep-1990		10/15/00		
CA	GRANTED	ORD			1257473	18-Jul-1989		7/18/06		
CH	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		
DE	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		
EP	GRANTED	PCT	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		
EP	-1 MAINTAIN	OPP	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		
ES	GRANTED	ORD	547797		547797	14-Jan-1987	OL	1/14/07		
ES	-1 GRANTED	DIV	557110		557110	26-Aug-1987	OL	8/26/07		
FR	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		
GB	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		
IN	GRANTED	ORD		10-Oct-1985	164917	31-Jul-1989		10/10/99		
IT	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990	EP	10/15/05		
JP	GRANTED	PCT	504735/85	15-Oct-1985	1662032	19-May-1992		10/15/05		
KR	GRANTED	PCT		15-Oct-1985	54670	16-Sep-1992	OL	10/15/05		
LU	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990		10/15/05		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
015720	FJM	FILED	FURNACE COOLING SYSTEM AND METHOD	ENGSTROM, RJ HEGGART, RG MCCLINTOCK, WK

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
NL	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990	OL	10/15/05		
NO	GRANTED	PCT		15-Oct-1985	169198	20-May-1992		10/15/05		
SE	GRANTED	EPC	85905348.0	15-Oct-1985	0197137	12-Dec-1990	EP	10/15/05		
US	GRANTED	ORD	900168	08-Aug-1986	4715042	22-Dec-1987	LE	12/22/04		
US	-1 GRANTED	DIV	136692	22-Dec-1987	4813055	14-Mar-1989	LE	3/14/06		
VE	PENDING	ORD	1746/85	31-Oct-1985				10/31/05		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SCS Spray Cool System

Case Number Attorney Disclosure Status Title Inventors

015847 FJM FILED COMBINATION LEFT AND RIGHT HANDED MINER, FH
FURNACE ROOF SIFFER, AM

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
BR	ABANDON	ORD	PI8903531-3	18-Jul-1989	PI8903531-3	31-May-1994		7/18/04	
CA	GRANTED	ORD			1332069	20-Sep-1994	OL	9/20/11	
CN	ABANDON	ORD	89107323	18-Jul-1989	16507	09-Dec-1992	OL	7/18/04	
DE	GRANTED	EPC	89113025.4	15-Jul-1989	0367906	27-Oct-1993		7/15/09	
EP	GRANTED	ORD	89113025.4	15-Jul-1989	0367906	27-Oct-1993		7/15/09	
ES	GRANTED	EPC	89113025.4	15-Jul-1989	2045283	27-Oct-1993		7/15/09	
FR	GRANTED	EPC	89113025.4	15-Jul-1989	0367906	27-Oct-1993		7/15/09	
GR	ABANDON	EPC	89113025.4	15-Jul-1989	0367906	27-Oct-1993		7/15/09	
IT	ABANDON	EPC	89113025.4	15-Jul-1989	0367906	27-Oct-1993	EP	7/15/09	
JP	GRANTED	ORD	18585/89	18-Jul-1989	1982930	08-Feb-1995		7/18/09	
KR	GRANTED	ORD	89-10215	18-Jul-1989	71171	22-Feb-1994	OL	7/18/09	
MX	GRANTED	ORD		18-Jul-1989	165492	13-Nov-1992		7/18/09	
RU	ABANDON	ORD		18-Jul-1989	1782310	15-Dec-1992		7/18/09	
SE	ABANDON	EPC	89113025.4	15-Jul-1989	0367906	27-Oct-1993	EP	7/15/09	
US	GRANTED	ORD	259898	19-Oct-1988	4849987	18-Jul-1989	LE	7/18/06	
ZA	GRANTED	ORD	89/5475	18-Jul-1989	89/5475	25-Jul-1990		7/18/09	

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Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
015848	FJM	FILED	IMPROVED COOLING SYSTEM AND METHOD FOR MOLTEN MATERIAL HANDLING VESSELS	BURWELL, WH

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AR	GRANTED	ORD			242523	30-Apr-1993		4/30/08		
AU	GRANTED	ORD	26869/88	14-Dec-1988	611981	21-Oct-1991		12/14/08		
BR	GRANTED	ORD		19-Dec-1988	PI 88067050	19-Dec-1988		12/19/03		
CA	GRANTED	ORD			1317103	04-May-1993	OL	5/4/10		
CN	GRANTED	ORD	89100163	10-Jan-1989		22-Nov-1997	OP	1/10/04		
DE	GRANTED	EPC	88312270.7	23-Dec-1988	0335042	15-Dec-1993		12/23/08		
EP	GRANTED	ORD	88312270.7	23-Dec-1988	0335042	15-Dec-1993		12/23/08		
EP	-1	OPPOSITIO	88312270.7	23-Dec-1988	0335042	15-Dec-1993		12/23/08		
ES	GRANTED	EPC	88312270.7	23-Dec-1988	2047565	15-Dec-1993		12/23/08		
FR	GRANTED	EPC	88312270.7	23-Dec-1988	0335042	15-Dec-1993		12/23/08		
GB	GRANTED	EPC	88312270.7	23-Dec-1988	0335042	15-Dec-1993		12/23/08		
GR	GRANTED	EPC	88312270.7	23-Dec-1988	0335042	15-Dec-1993		12/23/08		
IN	GRANTED	ORD		09-May-1988	172743	05-Aug-1994		5/9/02		
IT	GRANTED	EPC	88312270.7	23-Dec-1988	0335042	15-Dec-1993	EP	12/23/08		
JP	GRANTED	ORD	335714/88	28-Dec-1988	2583301	21-Nov-1996				
KR	GRANTED	ORD	88-17937	30-Dec-1988	67764	17-Nov-1993	OL	12/30/08		
MX	GRANTED	ORD		15-Dec-1988	165295	04-Nov-1992		12/15/08		
PL	GRANTED	ORD		23-Jan-1989	161418	19-Jan-1994		1/23/09		
RU	GRANTED	ORD		05-Jan-1989	1739861	07-Jun-1992		1/5/09		

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Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
015848	FJM	FILED	IMPROVED COOLING SYSTEM AND METHOD FOR MOLTEN MATERIAL HANDLING VESSELS	BURWELL, WH

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
SE	GRANTED	EPC	88312270.7	23-Dec-1988	0335042	15-Dec-1993	EP	12/23/08	
TR	GRANTED	ORD		19-Dec-1988	24333	13-Sep-1991		12/19/03	
TW	GRANTED	ORD			NI-41225	20-Dec-1990		9/11/05	
US	GRANTED	ORD	165609	08-Mar-1988	4815096	21-Mar-1989	LE	3/21/06	
VE	GRANTED	ORD	1663/88	21 Oct-1988	51187	25-Mar-1994		10/21/08	
ZA	GRANTED	ORD	88/9324	13 Dec-1988	88/9324	30-Aug-1989		12/13/08	

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Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
016709	FJM	FILED	COOLING SYSTEM FOR FURNACE ROOF HAVING A REMOVABLE DELTA	ARTHUR, MT MINER, FH

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AT	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995	EP	1/17/12		
BE	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
CH	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
CN	PENDING	ORD	92100328	17-Jan-1992			OP	1/17/07		
DE	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
DK	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995	EP	1/17/12		
EP	GRANTED	ORD	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
ES	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
FR	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
GB	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
GR	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
IT	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995	EP	1/17/12		
JP	PENDING	ORD	005689/92	16-Jan-1992						
LU	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995		1/17/12		
MX	GRANTED	ORD	9200219	17-Jan-1992	178843	21-Jul-1995		1/17/12		
NL	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995	EP	1/17/12		
RU	GRANTED	ORD	5010774	17-Jan-1992	2065554	20-Aug-1996		1/17/12		
SE	GRANTED	EPC	92200140.9	17-Jan-1992	0506151	19-Apr-1995	EP	1/17/12		
TW	GRANTED	ORD			NI-63118	01-Dec-1993		7/11/08		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
016709	FJM	FILED	COOLING SYSTEM FOR FURNACE ROOF HAVING A REMOVABLE DELTA	ARTHUR, MT MINER, FH

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	GRANTED	ORD	676528	28-Mar-1991	5115184	19-May-1992	LE	5/19/09	
ZA	GRANTED	ORD	92/0356	17-Jan-1992	92/0356	25-Nov-1992		1/17/12	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
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017070	FJM	FILED	DEVICE FOR RELIEF OF THERMAL STRESS IN SPRAY COOLED FURNACE ELEMENTS	ARTHUR, MT ROBERTS, GR
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Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AR	PENDING	ORD	326998	22-Dec-1993						
AU	GRANTED	ORD	52669/93	22-Dec-1993	664128	02-Nov-1995		12/22/13		
BE	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		
CA	GRANTED	ORD	2112177	22-Dec-1993	2112177	03-Sep-1996		12/22/13		
DE	PENDING	EPC	93203637.8	22-Dec-1993	603979			12/22/13		
DK	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		
EP	GRANTED	ORD	93203637.8	22-Dec-1993	0603979	29-Apr-1998		12/22/13		
FR	PENDING	EPC	93203637.8	22-Dec-1993				12/22/13		
GB	PENDING	EPC	93203637.8	22-Dec-1993				12/22/13		
GR	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		
ID	PENDING	ORD	P-007310	23-Dec-1993				12/23/09		
IE	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		
IT	GRANTED	EPC	93203637.8	22-Dec-1993	21356/BE/98	01-Apr-1998		12/22/13		
JP	PENDING	ORD	348097/93	24-Dec-1993						
KR	PENDING	ORD	28983/93	22-Dec-1993						
MC	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		
MX	GRANTED	ORD	9400216	03-Jan-1994	185077	20-Jun-1997		1/3/14		
NL	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		
PT	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		

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Wednesday, May 06, 1998

Master List By Division and Case Number

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Division: SCS Spray Cool System
Attorney

Case Number	Attorney	Disclosure Status	Title	Inventors
017070	FJM	FILED	DEVICE FOR RELIEF OF THERMAL STRESS IN SPRAY COOLED FURNACE ELEMENTS	ARTHUR, MT ROBERTS, GR

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
RU	GRANTED	ORD	93056599.02	23-Dec-1993	2074345	27-Feb-1997	LE			
SE	ABANDON	EPC	93203637.8	22-Dec-1993				12/22/13		
TW	GRANTED	ORD	83100909	03-Feb-1994	NI082443	12-Oct-1996				
US	GRANTED	ORD	995089	23-Dec-1992	5327453	05-Jul-1994	LE	7/5/11		

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Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
017106	FJM	FILED	DEVICE FOR LIFTING AND MOVING THE ROOF OF A SPRAY COOLED FURNACE	ARTHUR, MT MINER, FH

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AR	GRANTED	ORD	327441	17-Feb-1994	250611	29-Apr-1997				
AT	GRANTED	EPC	94200351.8	17-Feb-1994	E157161	25-Feb-1998		2/17/14		
BE	PENDING	EPC	94200351.8	17-Feb-1994	0611939			2/17/14		
BR	PENDING	ORD	P19400593.1	17-Feb-1994				2/17/09		
CA	PENDING	ORD	2115868	17-Feb-1994				2/17/14		
CH	PENDING	EPC	94200351.8	17-Feb-1994				2/17/14		
DE	PENDING	EPC	94200351.8	17-Feb-1994	0611939			2/17/14		
DK	PENDING	EPC	94200351.8	17-Feb-1994				2/17/14		
EP	GRANTED	ORD	94200351.8	17-Feb-1994	0611939	20-Aug-1997		2/17/14		
ES	GRANTED	EPC	94200351.8	17-Feb-1994	0611939	21-Oct-1997		2/17/14		
FR	GRANTED	EPC	94200351.8	17-Feb-1994	0611939	20-Aug-1997		2/17/14		
GB	PENDING	EPC	94200351.8	17-Feb-1994				2/17/14		
GR	GRANTED	EPC	970402571	17-Feb-1994	0611939	03-Oct-1997		2/17/14		
ID	PENDING	ORD	P-00243	17-Feb-1994				2/17/10		
IE	PENDING	EPC	94200351.8	17-Feb-1994	E75934			2/17/14		
IT	GRANTED	EPC	94200351.8	17-Feb-1994	26170/BE/97	07-Aug-1997				
JP	PENDING	ORD	019405/94	16-Feb-1994						
KR	PENDING	ORD	2782/94	17-Feb-1994						
LU	PENDING	EPC	94200351.8	17-Feb-1994				2/17/14		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SCS Spray Cool System
 Attorney FJM
 Case Number 017106
 Disclosure Status FILED
 Title DEVICE FOR LIFTING AND MOVING THE ROOF OF A SPRAY COOLED FURNACE
 Inventors ARTHUR, MT
 MINER, FH

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
MC	PENDING	EPC	94200351.8	17-Feb-1994				2/17/14	
MY	PENDING	ORD	PI9400365	17-Feb-1994		20-Aug-1997		2/17/14	
NL	GRANTED	EPC	94200351.8	17-Feb-1994	0611939	18-Sep-1997		2/17/14	
PT	GRANTED	EPC	94200351.8	17-Feb-1994	0611939	20-Aug-1997		2/17/14	
SE	GRANTED	EPC	94200351.8	17-Feb-1994	0611939			2/17/14	
TH	PENDING	ORD	021574	17-Feb-1994				3/19/14	
TW	PUBLISHED	ORD	83102466	19-Mar-1994	N1071701			8/22/12	
US	GRANTED	ORD	019203	18-Feb-1993	5444734	22-Aug-1995	LE		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SCS Spray Cool System
 Attorney: FJM
 Case Number: 017148
 Disclosure Status: FILED
 Title: SPRAY COOLED HOOD SPRAY FOR HANDLING HOT GASES FROM A METALLURGICAL VESSEL UTILIZING PNEUMATIC PROCESSING OF MOLTEN METAL
 Inventors: ARTHUR, MT
 LEHR, DA
 ROBERTS, GR
 Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case	Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AU	GRANTED	ORD	59343/94	07-Apr-1994	664526	16-Nov-1995			4/7/14		
BR	PENDING	ORD	P19401436-1	07-Apr-1994					4/7/09		
CA	PENDING	ORD	2120794	07-Apr-1994					4/7/14		
CN	Granted	ORD	94105287.7	07-Apr-1994		13-May-1998	PA		4/7/14		
DE	PENDING	EPC	94105308.4	06-Apr-1994					4/6/14		
EP	PENDING	ORD	94105308.4	06-Apr-1994					4/6/14		
FR	PENDING	EPC	94105308.4	06-Apr-1994					4/6/14		
GB	PENDING	EPC	94105308.4	06-Apr-1994					4/6/14		
GR	PENDING	EPC	94105308.4	06-Apr-1994					4/6/14		
IT	PENDING	EPC	94105308.4	06-Apr-1994					4/6/14		
JP	PENDING	ORD	069292/94	07-Apr-1994					4/6/14		
KR	PENDING	ORD	7239/94	07-Apr-1994					4/6/14		
MX	GRANTED	ORD	9402535	07-Apr-1994	184559	28-Apr-1997			4/7/14		
RU	GRANTED	ORD	94011569	07-Apr-1994	2080392	27-May-1997			4/7/14		
TW	GRANTED	ORD	83103545	21-Apr-1994	NI081555	18-Feb-1997			7/19/11		
US	GRANTED	ORD	088800	08-Jul-1993	5330161	19-Jul-1994	LE				
ZA	GRANTED	ORD	94/2406	07-Apr-1994	94/2406	22-Feb-1995			4/7/14		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SCS Spray Cool System

Case Number	Attorney	Disclosure Status	Title	Inventors
017247	FJM	FILED	COOLING SYSTEM FOR A TWO COMPONENT FURNACE ROOF	ARTHUR, MT MINER, FH

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
BR	PENDING	ORD	P195052500	21-Nov-1995				11/21/10		
CN	PUBLISHED	ORD	95121870.0	21-Nov-1995			PA	11/21/15		
DE	PENDING	EPC	95308371.4	22-Nov-1995				11/22/15		
EP	PUBLISHED	ORD	95308371.4	22-Nov-1995				11/22/15		
ES	PENDING	EPC	95308371.4	22-Nov-1995				11/22/15		
FR	PENDING	EPC	95308371.4	22-Nov-1995				11/22/15		
GB	PENDING	EPC	95308371.4	22-Nov-1995				11/22/15		
IT	PENDING	EPC	95308371.4	22-Nov-1995				11/22/15		
JP	PENDING	ORD	328017/95	22-Nov-1995				11/22/15		
RU	PENDING	ORD	95120005.00	21-Nov-1995				11/21/15		
TW	GRANTED	ORD	84114183	30-Dec-1995	NI082401	15-Oct-1996		12/30/15		
US	GRANTED	ORD	343249	22-Nov-1994	5648981	15-Jul-1997	LE			

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SCS Spray Cool System

Case Number Attorney Disclosure Status Title Inventors

017285 FJM FILED MODULAR SPRAY COOLED SIDE-WALL FOR ARTHUR, MT
 ELECTRIC ARC FURNACES BURWELL, WH
 LEHR, DA
 MINER, FH
 ROBERTS, GR

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AR	PUBLISHED	ORD	P960102328	26-Apr-1996			LE		
AU	PENDING	ORD	5083396	24-Apr-1996			LE		
BR	PENDING	ORD	PI 9602083-0	26-Apr-1996			LE	4/26/11	212
CA	PENDING	ORD	2175109	26-Apr-1996			LE	4/26/16	
CN	PUBLISHED	ORD	96108923.7	26-Apr-1996			LE	4/26/16	
DE	PENDING	EPC		15-Apr-1996			LE		
EP	PUBLISHED	ORD	96302901.2	25-Apr-1996			LE	4/25/16	
FR	PENDING	EPC		15-Apr-1996			LE		
GB	PENDING	EPC		15-Apr-1996			LE		
IT	PENDING	EPC		15-Apr-1996			LE		
JP	PENDING	ORD	107509/96	26-Apr-1996			LE		
KR	PENDING	ORD	14152/96	26-Apr-1996			LE		
RU	PENDING	ORD	96107979	25-Apr-1996			LE	4/25/16	
TW	PENDING	ORD	85109269	30-Jul-1996			LE		
US	GRANTED	ORD	429923	27-Apr-1995	5561685	01-Oct-1996	LE		
ZA	Granted	ORD	963318	25-Apr-1996	96/3318	29-Jan-1997	LE		

TRADEMARK

REEL: 1769 FRAME: 0184

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SCS Spray Cool System
 Case Number Attorney Disclosure Status Title Inventors
 030007 FJM Open PANELIZED SPRAY-COOLED FURNACE ROOF ARTHUR, MT
 BELLWOOD, E

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: SPRAY COOL SYSTEM

Country	Sub Case Status	Case Type	Case Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AR	PENDING	ORD	P970104438	26-Sep-1997			LE			
TW	PENDING	ORD	86114030	24-Sep-1997			LE			
US	PENDING	ORD	722362	27-Sep-1996			LE			
WO	PENDING	ORD	US97/16676	24-Sep-1997			LE			
ZA	PENDING	ORD	978430	18-Sep-1997			LE			

Division: SCS Spray Cool System
 Case Number Attorney Disclosure Status Title Inventors
 030017 FJM Open SPRAY NOZZLE IMPROVEMENTS ARTHUR, MT
 MINER, FH

Sub Country	Case Status	Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
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Division: SPP SPP
 Case Number Attorney Disclosure Status Title Inventors

010606 FJM FILED OXIDATION RESISTANT POROUS SARA, RV
 ABRADABLE SEAL MEMBER FOR HIGH
 TEMPERATURE SERVICE

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
BE	ABANDON	ORD		20-Sep-1978	870631	20-Mar-1979		9/20/98		
CA	GRANTED	ORD			1097102	10-Mar-1981		3/10/98		
DE	ABANDON	ORD	P2840681.7	20-Sep-1978	2840681	14-Oct-1982		9/20/98		
FR	ABANDON	ORD	78/26957	20-Sep-1978	78/26957	11-Feb-1985		9/20/98		
GB	ABANDON	ORD		20-Sep-1978	2006271	26-May-1982		9/20/98		
JP	ABANDON	ORD		20-Sep-1978	1364155	09-Feb-1987		9/20/98		
JP	-1	ABANDON DIV		20-Sep-1978	1414529	10-Dec-1987				
US	-1	GRANTED CON			4155755	22-May-1979		5/22/96		
US	-2	GRANTED CON			4251272	17-Feb-1981		2/17/98		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SPP SPP
Case Number Attorney Disclosure Status Title Inventors

010644 FJM FILED NITROGEN LINKED CYCLIC POLYETHER
ION BINDING POLYMERIC LIQUID
PURIFICATION MATERIAL FROST, LW

Owner: UCAR CARBON TECHNOLOGY CORP

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case Status	Type	Date	Number	Date	Schedule	Date		
CA	GRANTED	ORD		1045747	02-Jan-1979		1/2/96		

Master List By Division and Case Number

Wednesday, May 06, 1998

Case Number	Division	Attorney	Disclosure Status	Title	Inventors
010661	SPP	FJM	FILED	HIGH STRENGTH CAST MODULES FOR SUPPORTING REVERSE OSMOSIS MEMBRANES	MEIER, JF SMITH, JDB

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1083496	12-Aug-1980		8/12/97	
GB	ABANDON	ORD		18-Jan-1977	1572911	08-Oct-1980	OL	1/18/97	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SPP SPP
 Case Number Attorney Disclosure Status Title Inventors
 011326 FJM FILED STRESS RELIEVING OF METALS/CERAMIC ELBERT, RJ
 ABRADABLE SEALS SARA, RV

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1104800	14-Jul-1981		7/14/98	
DE	ABANDON	ORD	P2848185.8	07-Nov-1978	2848185	20-Jun-1985		11/7/98	
FR	ABANDON	ORD	78/31609	08-Nov-1978	78/31609	18-Jun-1984		11/8/98	
GB	ABANDON	ORD		08-Nov-1978	2008011	13-Jan-1982		11/8/98	
JP	ABANDON	ORD	13686778	08-Nov-1978	1200208	05-Apr-1984		11/8/98	
US	GRANTED	ORD			4194673	25-Mar-1980		3/25/97	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SPP SPP Attorney: FJM Filed: DEFORMATION PROCESS FOR PRODUCING STRESS RELIEVED METAL/CERAMIC ABRADABLE SEALS Inventors: SARA, RV

Case Number: 012239 Title: DEFORMATION PROCESS FOR PRODUCING STRESS RELIEVED METAL/CERAMIC ABRADABLE SEALS

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD			1151698	09-Aug-1983		8/9/00	
CA	-1	GRANTED	DIV		1163284	06-Mar-1984		3/6/01	
DE		ABANDON	EPC	19-Dec-1979	0012995	16-Feb-1983		12/19/99	
EP		GRANTED	ORD	19-Dec-1979	0012995	16-Feb-1983		12/19/99	
FR		ABANDON	EPC	19-Dec-1979	0012995	16-Feb-1983		12/19/99	
GB		ABANDON	EPC	19-Dec-1979	0012995	16-Feb-1983		12/19/99	
JP		ABANDON	ORD	20-Dec-1979	1246036	25-Dec-1984		12/26/99	
US		GRANTED	ORD		4243169	06-Jan-1981		1/6/98	
US	-1	GRANTED	DIV	24-Jul-1980	4379812	12-Apr-1983	NT	4/12/00	
US	-2	ABANDON	DIV	07-Apr-1983	4521496	04-Jun-1985	LE	6/4/02	

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SPP SPP
Case Number Attorney Disclosure Status Title Inventors

011352 FJM FILED ELECTROLYTIC CELL BOTTOM BARRIER VADLA, JJ
FORMED FROM EXPANDED GRAPHITE WILDER, HJ

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
US	GRANTED	ORD		4175022	20-Nov-1979		11/20/96		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SPP SPP

Case Number	Attorney	Disclosure Status	Title	Inventors
013128	FJM	FILED	PROCESS FOR IMPROVED ACTIVATED CARBON	KAMPE, DJ SARANGAPANI, S

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED	ORD	393988	30-Jun-1982	1187860	28-May-1985		5/28/02	
US	GRANTED	ORD			4438216	20-Mar-1984	LE	3/20/01	

Division: SPP SPP
 Case Number Attorney Disclosure Status Title Inventors

013164 FJM FILED METAL CURRENT CARRIER FOR EDWARDS, LG
 ELECTROCHEMICAL CELL ELECTRODES HOWARD, RA
 SARANGAPANI, S

Owner: UCAR CARBON TECHNOLOGY CORP

Sub	Country	Case Status	Case Type	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
				Type	Number	Date	Number	Date	Schedule	Date		
US		GRANTED	ORD		393390	29-Jun-1982	4476002	09-Oct-1984	LE	10/9/01		

Wednesday, May 06, 1998 Master List By Division and Case Number

Division: SPP SPP
 Case Number Attorney Disclosure Status Title Inventors
 013276 FJM FILED IMPROVED GAS DIFFUSION ELECTRODE DOWELL, MB
 KAMPE, DJ

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
CA	GRANTED ORD	393389	29-Jun-1982	1217177	27-Jan-1987	LE	1/27/04	
US	GRANTED ORD	4472460	18-Sep-1984	4472460	18-Sep-1984	LE	9/18/01	

Division: SPP SPP
 Case Number Attorney Disclosure Status Title Inventors
 013639 FJM FILED IMPROVED PROCESS OF MAKING HOWARD, RA
 ELECTROCHEMICAL ELECTRODES AND SIROCKY, PS
 ELECTRODES MADE THEREBY

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
CA	GRANTED	ORD	480619	29-Mar-1983	1221658	12-May-1987		5/12/04		
US	ABANDON	ORD	480619	29-Mar-1983	4529672	16-Jul-1985	LE	7/16/02		

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SPP SPP

Case Number	Attorney	Disclosure Status	Title	Inventors
013676	FJM	FILED	PROCESS FOR MAKING PITCH-FREE GRAPHITIC ARTICLES	CRISCIONE, JM MONTGOMERY, LC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
AU	ABANDON	ORD		28-Sep-1984	566557	29-Mar-1988		9/28/04	
CA	PENDING	ORD	463252	14-Sep-1984					
US	-1	GRANTED	CON 810546	18-Dec-1985	4670201	02-Jun-1987	LE	6/2/04	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SPP SPP
Case Number Attorney Disclosure Status Title Inventors
014180 FJM FILED GRADED STRUCTURE GAS DIFFUSION ELECTRODE KAMPE, DJ
SIROCKY, PS

Owner: UCAR CARBON TECHNOLOGY CORP

Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent Ref #
US	ABANDON ORD	750749	28-Jun-1985	4602426	29-Jul-1986	LE	7/29/03	

Wednesday, May 06, 1998 **Master List** By Division and Case Number

Division: SPP SPP

Case Number	Attorney	Disclosure Status	Title	Inventors
016440	FJM	FILED	PROCESS FOR PRODUCING HIGH SURFACE AREA ACTIVATED CARBON	BALL, DR GREINKE, RA LEWIS, IC

Owner: UCAR CARBON TECHNOLOGY CORP

Country	Sub Case Status	Case Type	Application Number	Filing Date	Patent Number	Issue Date	Tax Schedule	Expiration Date	Agent	Agent Ref #
AU	ABANDON	ORD	81126/91	19-Jul-1991	638148	11-Oct-1993		7/19/11		
CA	GRANTED	ORD	2047474	19-Jul-1991	2047474	03-Sep-1996		7/19/11		
DE	GRANTED	EPC	91201910.6	19-Jul-1991	0467486	29-Mar-1995		7/19/11		
EP	GRANTED	ORD	91201910.6	19-Jul-1991	0467486	29-Mar-1995		7/19/11		
FR	GRANTED	EPC	91201910.6	19-Jul-1991	0467486	29-Mar-1995		7/19/11		
GB	GRANTED	EPC	91201910.6	19-Jul-1991	0467486	29-Mar-1995		7/19/11		
IT	ABANDON	EPC	91201910.6	19-Jul-1991	0467486	29-Mar-1995	EP	7/19/11		
JP	PENDING	ORD	203324/91	19-Jul-1991						
SE	ABANDON	EPC	91201910.6	19-Jul-1991	0467486	29-Mar-1995	EP	7/19/11		
US	GRANTED	ORD	554810	20-Jul-1990	5102855	07-Apr-1992	LE	4/7/09		

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SPP SPP
Case Number Attorney Disclosure Status Title Inventors

017211 FJM FILED WATCH SERVICE

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub	Case	Application	Filing	Patent	Issue	Tax	Expiration	Agent	Agent Ref #
Country	Case Status	Type	Number	Date	Number	Schedule	Date		
US	FILED	ORD							

Master List By Division and Case Number

Wednesday, May 06, 1998

Division: SPP SPP
Case Number Attorney Disclosure Status Title Inventors

017264 FJM FILED WATCH SERVICE

Owner: UCAR CARBON TECHNOLOGY CORP

Keywords: GRAFOIL

Sub Case Status Case Type Application Number Filing Date Patent Number Issue Date Tax Schedule Expiration Date Agent Ref #

JP WS FILED ORD 290106/94

SCHEDULE II
TO INTELLECTUAL
PROPERTY SECURITY AGREEMENT

TRADEMARKS, TRADEMARK REGISTRATIONS AND
TRADEMARK REGISTRATION APPLICATIONS

<i>Serial No. or Registration No.</i>	<i>Country</i>	<i>Issue or File Date</i>	<i>Mark</i>
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See attached

111 (A)

TUE 05 MAY 1998 12.22.08

DBY247L AMARKS1

*VPS START JOB27447 TMARK

Marks owned by UCAR Carbon Finance and Trading SA

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: CARBOCRETE
 REGISTRANT: UCAR CARBON FINANCE AND TRADING SA
 DIVISIONS: CARB
 STATUS: ERF
 COUNTRY: SWITZERLAND
 1ST USE: 60-6001C
 BILL NO: FILE #: 14980
 ORGN CODE: MISC

REGISTRATION/APPLICATION DATA

 NUMBER DATE RENEWAL RECEIVED

 272,241 06/18/74 06/18/94 Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19
 LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

 DATE EVENT RESP

GOODS: CARBON FIBER REINFORCED CEMENT OR CONCRETE

REGISTERED USERS/LICENSEES

 NAME AGREEMENT EXPIRES RECORDED ROLE

 UCAR CCI (EXT/SUCCESSIVE 1-YR PERIODS) 01/01/89 01/01/94 N L

 DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

 ASSGT RECORDED APRIL 24 1990...CH/NAME RECORDED JULY 9 1991...ALLOWED
 TO LAPSE..

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UGAR CARBON FINANCE AND TRADING SA
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: I. R.
 1ST USE: 60-6001C
 BILL NO: FILE #: 17065 6180-IT-
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
359,032	05/23/89	05/23/89	Y
359,032	05/23/89	05/23/09	Y

LOCAL AGENT: A. G. DA CUNHA FERREIRA LDA.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1 17

LAST BILL: 120.00
 AMOUNT PAID: 2659.50
 DATE: 03/29/94

TICKLER DATA

DATE	EVENT	RESP
05/23/09	RENEWAL DUE	

GOODS: CLASS 1: CARBON AND GRAPHITE IN THE FORM OF FOAM. CLASSES 1, 17:
 CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, STRANDS AND FILAMENTS,
 GASKETS AND PACKING RINGS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 1-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 UNDERTAKING GIVEN BY UGESA TO STE. GRAFOIL & CO. (TRADEMARK
 GRAFOIL)...WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL).....

LITIGATION
 COMMENTS

COUNTRIES: AUSTRIA, BENELUX, CZECHOSLOVAKIA, EGYPT, FRANCE, HUNGARY,
 ITALY, LIECHTENSTEIN, MOROCCO, PORTUGAL, ROMANIA, S/N MARINO,
 SPAIN, WEST GERMANY, YUGOSLAVIA...NEW REG. OBTAINED FOR EXT TO EAST
 GERMANY, VIETNAM, U.S.S.R., MONGOLIA, NORTH KOREA, SUDAN, BULGARIA,
 ALGERIA..... KIRKER DN 60.673 MARCH
 15 1989 SWFR 3650 US\$2334 (REN'L, CHANGE OF ADD) TO A/P

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

PAGE 3
05/05/98

4/3/89...RINUY DN 83214 DEC 18 1989 FFL 260 US\$209.50 (OPPN
GRAPHOIL)...ASSGT RECORDED APRIL 24 1990.....CH/NAME RECORDED JULY
12 1991.....DIU (PORTUGAL) ACCEPTED.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON FINANCE AND TRADING SA
 DIVISIONS: CARB

COUNTRY: I.R.
 1ST USE: 60-6001C
 BILL NO: FILE #: 70942 6180-IT-
 ORGN CODE: CARB

STATUS: IRF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
544,041	05/11/89	05/11/09	Y

LOCAL AGENT: KIRKER & CIE
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 237.00
 AMOUNT PAID: 2309.00
 DATE: 12/19/89

TICKLER DATA

DATE	EVENT	RESP
05/11/09	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, STRANDS AND FILAMENTS;
 GASKETS AND PACKING RINGS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFOIL).....

LITIGATION

COMMENTS

COUNTRIES COVERED: ALGERIA, BULGARIA, EAST GERMANY, MONGOLIA, NORTH
 KOREA, SUDAN, U.S.S.R., VIETNAM, KIRKER DN 60 673 3/15/89 SWEF3240
 US\$2073...KIRKER DN 60.114 12/19/89 \$237...ASSGT RECORDED APRIL 24
 1990...CH/NAME RECORDED JULY 12 1991.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL,
 REGISTRANT: UCAR CARBON FINANCE AND TRADING SA
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: SWITZERLAND
 1ST USE: 60-6001C
 BILL NO: FILE #: 17090 6180-SW
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
237,203	02/27/69	02/27/89	Y
369,944	02/27/89	02/27/09	Y

LOCAL AGENT: KIRKER & CIE
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1 17

LAST BILL: 560.00
 AMOUNT PAID: 560.00
 DATE: 01/12/89

TICKLER DATA

DATE	EVENT	RESP
02/27/09	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOM, STRANDS,
 FILAMENTS; GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 1-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

UNDERTAKING GIVEN BY UCESA TO STE. GRAFOIL & CO (TRADEMARK
 GRAFOIL).....WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

COMMENTS

KIRKER DN 60/251 JAN 12 1989 \$560 (REN'L) TO A/P 1/25/89...CH/NAME
 RECORDED APRIL 24 1990...

Registrations, applications, proposed trademarks, etc. owned by UCAR Carbon

- IRF - Inactive Registration File (registered trademark, no action pending)
- ERF - Expired Registration File
- AAF - Abandoned Application
- APA - Active Pending Application
- APR - Active Pending Renewal
- OUT - Proposed Trademark - never registered

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

MARK: BOROOCOAT
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: OUT

COUNTRY: UNITED STATES
1ST USE: PROPOSED
BILL NO: 60-6001C
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
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LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES:

LAST BILL:
AMOUNT PAID:
DATE:

TICKLER DATA

DATE	EVENT	RESP
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GOODS: BORON NITRIDE SPRAY PRODUCTS

NAME	REGISTERED USERS/LICENSEES	AGREEMENT	EXPIRES	RECORDED	ROLE
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DISCLAIMERS, ONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

TRADEMARK SEARCH OKAY, BUT DROPPED FROM CONSIDERATION BY CLIENT PER
LETTER OF C.BOWEN 8/27/90.

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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TRADEMARK
REEL: 1769 FRAME: 0211

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: CERCOR
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: OUT

COUNTRY: UNITED STATES
 1ST USE: N/A
 BILL NO:
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
	MARK NOT AVAILABLE PER TMSCAN SEARCH 2/90	
	GOODS: FLEXIBLE GRAPHITE LAMINATE CONTAINING CERAMIC CLOTH INNERLAYER OR LAMINATE	

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

CERCOR REGISTRATION FOUND - OWNED BY CORNING. MARK NOT AVAILABLE.

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

MARK: CONDUCTO-RAM
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: OUT

COUNTRY: UNITED STATES
1ST USE:
BILL NO: 60-6001C
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA ---
NUMBER DATE RENEWAL RECEIVED

LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES:

LAST BILL:
AMOUNT PAID:
DATE:

--- TICKLER DATA ---
DATE EVENT ----- RESP

GOODS: CARBONACEOUS PASTE PRODUCTS
--- REGISTERED USERS/LICENSEES ---
NAME AGREEMENT EXPIRES RECORDED ROLE
--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---
--- COMMENTS ---

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: DENMARK
 1ST USE: 60-6001C
 BILL NO: FILE #: 157521 6114-D
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
0592/95	01/25/95		
2532/95	04/21/95	04/21/05	Y

LOCAL AGENT: BUDDER SCHOU & CO.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL: 135.00
 AMOUNT PAID: 1035.00
 DATE: 05/15/95

TICKLER DATA

DATE	EVENT	RESP
04/21/05	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: FINLAND
 1ST USE: 60-6001C
 BILL NO: 157522
 FILE #: 6114-FI
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
490/95	01/30/95		
143,965	05/20/96		Y

LOCAL AGENT: BERGGREN OY AB
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 112.00
 AMOUNT PAID: 1003.00
 DATE: 07/08/96

--- TICKLER DATA ---

DATE	EVENT	RESP
05/20/06	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT EXPIRES	RECORDED	ROLE

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB

STATUS: IRF

COUNTRY: FRANCE
1ST USE: 60-6001C
BILL NO: FILE #: 157523 6114-F
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
95/559,893	02/23/95	02/23/05	Y

LOCAL AGENT: RINUY, SANTARELLI
LITIGATION: N
ASSOCIATIONS: N
CLASSES: 19

LAST BILL: 80.00
AMOUNT PAID: 950.00
DATE: 07/05/95

TICKLER DATA

DATE	EVENT	RESP
02/23/05	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
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DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: GERMANY
 1ST USE: 60-6001C
 BILL NO: 157524
 FILE #: 6114-G
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
395036054	01/28/95		
39,503,605	09/28/95	09/28/05	Y

LOCAL AGENT: LOUIS, POHLAU, LOHRENTZ & SEGETH
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL: 135.00
 AMOUNT PAID: 135.00
 DATE: 10/10/95

--- TICKLER DATA ---

DATE	EVENT	RESP
09/28/05	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: IRELAND
 1ST USE: 60-6001C
 BILL NO: FILE #: 157526 6114-IL
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
1146/95	02/17/95		
173,285	02/17/95	02/17/02	Y

LOCAL AGENT: F.R. KELLY & CO.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 478.00
 AMOUNT PAID: 1291.00
 DATE: 05/12/97

TICKLER DATA

DATE	EVENT	RESP
02/16/02	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON LIMITED (RU#11771)			N	R

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

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STATUS: IRF

COUNTRY: ISRAEL
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 157525 6114-IS
 ORGN CODE: CARB

NUMBER	DATE	RENEWAL	RECEIVED
96,718	01/26/95	10/08/96	
96,718	10/08/96	01/25/02	Y

LOCAL AGENT: A. E. MULLFORD
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL: 115.00
 AMOUNT PAID: 650.00
 DATE: 04/30/96

TICKLER DATA

DATE	EVENT	RESP
01/25/02	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR S. A. (TO BE FILED AFTER REGISTRATION)			N	R

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: DCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: ITALY
 1ST USE: 60-6001C
 BILL NO: FILE #: 157527 6114-I
 ORGN CODE: CARB

STATUS: APA

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
95C/000868	02/22/95		

LOCAL AGENT: ING. BARZANO & ZARRO ROMA S.P.A.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 770.90
 AMOUNT PAID: 770.90
 DATE: 02/24/95

TICKLER DATA

DATE	EVENT	RESP
03/11/98	CHECK STATUS OF LICENSING - AFFILIATE LICENSE EXECUTED	MD

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED KINGDOM
 1ST USE: 60-6001C
 BILL NO: FILE #: 157532 6114-UK
 ORGN CODE: CARB

STATUS: IRP

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
2,009,155	01/27/95	01/27/95	Y
2,009,155	01/27/95	01/27/05	

LOCAL AGENT: GRANT, SPENCER, CAISLEY & PORTEOUS LTD.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 396.00
 AMOUNT PAID: 1786.00
 DATE: 05/10/96

--- TICKLER DATA ---

DATE	EVENT	RESP
01/27/05	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

--- REGISTER) USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON LIMITED			N	R

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

UDC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: NORWAY
 1ST USE: 60-6001C
 BILL NO: 157528
 FILE #: 6114-N

STATUS: IRP

ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
95/0653	02/02/95		
173,947	06/06/96	06/06/06	Y

LOCAL AGENT: BERGEN PATENTKONTOR
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL: 82.00
 AMOUNT PAID: 782.00
 DATE: 09/16/96

TICKLER DATA

DATE	EVENT	RESP
06/06/06	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CAS ING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: SWEDEN
 1ST USE: 60-6001C
 BILL NO: FILE #: 157530 6114-S
 ORGN CODE: CARB

STATUS: IRP

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
95-0785	01/24/95		
307,141	12/22/95	12/22/05	Y

LOCAL AGENT: ALBIHNS PATENTBYRA STOCKHOLM AB
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 135.00
 AMOUNT PAID: 785.00
 DATE: 04/19/95

--- TICKLER DATA ---

DATE	EVENT	RESP
12/22/05	RENEWAL DUE	

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: PORTUGAL
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 157531 6114-PR
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
306,816	01/27/95		
306,816	01/03/96	01/03/06	Y

LOCAL AGENT: A.G. DA CUNHA FERREIRA LDA.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 19

LAST BILL: 110.00
 AMOUNT PAID: 1165.00
 DATE: 01/23/97

TICKLER DATA

DATE	EVENT	RESP
01/03/06	RENEWAL DUE	AU
01/03/01	RENEWAL DUE - DIU MUST BE FILED BEFORE JAN 3 2001	AU
10/01/00	DIU MUST BE FILED BEFORE JAN 3 2001	AU

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING AND FABRICATION OF
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: DURACAST
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: SPAIN
 1ST USE: 60-6001C
 BILL NO: 157529
 FILE #: 6114-SP
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
1,948,738	02/20/95	02/20/05	Y

LOCAL AGENT: CL/SES POLO & ASOCIADOS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 666.00
 AMOUNT PAID: 1656.00
 DATE: 12/01/95

TICKLER DATA

DATE	EVENT	RESP
02/20/05	RENEWAL DUE	
03/19/00	QUINTAX DUE TODAY	QU
12/01/99	QUINTAX DUE BEFORE MARCH 20 2000	QU

GOODS: GRAPHITE BLOCKS FOR USE IN CASTING, ROLLING ND FABRICATION OF
 NON-FERROUS METALS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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MARK: EXPANDOGRAF
REGISTRANT: UGAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: PTM

COUNTRY: UNITED STATES
1ST USE:
BILL NO: 60-6001C
ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
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LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES: 1 9 17

LAST BILL: 360.40
AMOUNT PAID: 360.40
DATE: 09/23/96

--- TICKLER DATA ---

DATE	EVENT	RESP
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11/16/96	CLIENT INTERESTED IN PURSUING?	MD
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--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
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--- DISCLAIMERS CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

DCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: EZ-RAM
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: UNITED STATES
 1ST USE: 60-6001C
 BILL NO: FILE #: 6146-US
 ORGN CODE: CARB

STATUS: PTM

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED

LAST BILL: 270.00
 AMOUNT PAID: 270.00
 DATE: 07/30/90

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

TICKLER DATA

DATE	EVENT	RESP

GOODS: CARBONACEOUS PASTE PRODUCTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

WE WERE ADVISED BY J.D.GREEN ON 6/30/92 THAT THERE IS NO FURTHER
 INTEREST IN THIS MARK-THEY WILL USE "SMART RAM"
 INSTEAD.....REACTIVATED BY OLIN HOTCHKISS 3/94.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFGUARD
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: APA

COUNTRY: EUROPEAN UNION
 1ST USE: 60-6001C
 BILL NO: 163595 6587-EU
 FILE #: 163595 6587-EU
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
327,031	08/20/96		

LOCAL AGENT: GEVERS & PARTNERS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 78.00
 AMOUNT PAID: 78.00
 DATE: 01/05/98

TICKLER DATA

DATE	EVENT	RESP
01/05/99	CHECK STATUS	MD

GOODS: GRAPHITE PARTICLES FOR USE IN THE MANUFACTURE OF FIRE RETARDANT PRODUCTS IN INT. CLASS 1.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

PRIORITY CLAIMED: US APPL. NO. 75/106979.

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFGUARD
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: APA

COUNTRY: JAPAN
 1ST USE: 60-6001C
 BILL NO: FILE #: 163596 6587-J
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA ---
 NUMBER DATE RENEWAL RECEIVED
 113,097/96 10/08/96

LOCAL AGENT: SUZUYE & SUZUYE
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL:
 AMOUNT PAID:
 DATE:

--- TICKLER DATA ---

DATE EVENT ----- RESP
 11/10/98 CHECK STATUS ----- MD

GOODS: GRAPHITE PARTICLES FOR USE IN THE MANUFACTURE OF FIRE RETARDANT
 PRODUCTS, IN INT. CLASS 1.

--- REGISTERED USERS/LICENSEES ---

NAME ----- AGREEMENT EXPIRES RECORDED ROLE

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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TRADEMARK
REEL: 1769 FRAME: 0230

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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TRADEMARK
REEL: 1769 FRAME: 0231

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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MARK: GRAFLENE
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: OUT

COUNTRY: UNITED STATES
1ST USE: 60-6001C
BILL NO: 60-6001C
FILE #: 6178-US
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER DATE RENEWAL RECEIVED

LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES:

LAST BILL: 260.00
AMOUNT PAID: 260.00
DATE: 09/26/91

----- TICKLER DATA -----

DATE EVENT -----
RESIP

GOODS: A GASKETING OR SEALING MATERIAL

REGISTERED USERS/LICENSEES

NAME AGREEMENT EXPIRES RECORDED ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

ALSO SPELLED GRAFPLENE.....DECISION MADE NOT TO USE THIS MARK:
O.HOTCHKISS.....

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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MARK: GRAFLON
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: OUT

COUNTRY: UNITED STATES
1ST USE:
BILL NO: 60-6001C
FILE #: 6177-US
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
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LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES:

LAST BILL:
AMOUNT PAID:
DATE:

TICKLER DATA

DATE	EVENT	RESP
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GOODS: TEFLON-TYPE PRODUCT TO COMPLEMENT FLEXIBLE GRAPHITE LINE.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
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DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

MRD DID NOT RECOMMEND ADOPTION OF THIS MARK.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOFIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

STATUS: APR

COUNTRY: ARGENTINA
 1ST USE: 60-6001C
 BILL NO: 17049
 FILE #: 6180-AR
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
897,212	10/28/77	10/28/87	Y
1,278,798	03/08/88	03/08/98	Y

LOCAL AGENT: MARVAL, O'FARRELL & MAIRAL
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 22

LAST BILL: 42.50
 AMOUNT PAID: 127.50
 DATE: 07/13/89

TICKLER DATA

DATE	EVENT	RESP
05/16/99	CHECK STATUS OF RENEWAL	MD

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL OR LAMINATED SHEETS, STRIPS, TUBES, RIBBON, FOAM, STRANDS, FILAMENTS, FOR TEXTILE USE.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFIL)

LITIGATION

COMMENTS

(SEE ALSO REG NO. 1,278,797) . . . MARVAL DN 064972 MAY 19 1989 \$85 (REG CERT) TO A/P 6/14/89 . . . NMS DN 0051 JULY 13 1989 \$42.50 TO A/P 7/19/89 . . . ASSIGNMENT DOCUMENTS FILED FOR RECORDAL ON MARCH 1, 1990 APPLICATION FOR RECORDAL OF TRADEMARK LICENSE FILED 5/9/90 ASSGT RECORDED AUG 3 1992

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: ARGENTINA
 1ST USE: 60-6001C
 BILL NO: 17047
 FILE #: 6180-AR-1
 ORGN CODE: CARB

STATUS: APR

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
1,278,797	03/08/88	03/08/98	Y

LOCAL AGENT: MARVAL, O'FARRELL & MAIRAL
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 85.00
 AMOUNT PAID: 85.00
 DATE: 05/19/89

TICKLER DATA

DATE	EVENT	RESP
05/16/99	CHECK STATUS OF RENEWAL	MD

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTH, INDIVIDUAL OR LAMINATED SHEETS, STRIPS, TAPES, RIBBON, FOAM, STRANDS, FILAMENTS, OTHER THAN FOR TEXTILE USE.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON CO. INC.	5 YR. TERMS	01/01/89	01/01/94	Y L

DISCLAIMERS/CONSENT/UNDERTAKINGS

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

COMMENTS

(THIS IS OLD REG NO 897,212 SPLIT BETWEEN CLASSES 17 AND 22)..... MARVAL
 DN 064972 MAY 19 1989 \$85 (REG CERT) TO A/P 6/14/89... ASSIGNMENT
 DOCUMENTS FILED FOR RECORDAL 3/1/1990APPLICATION FOR RECORDAL OF
 TRADEMARK LICENSE AGREEMENTS FILED 5/9/90..... ASSGT RECORDED
 AUG 28 1992.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

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MARK: GRAVOFIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: ARGENTINA
 1ST USE:
 BILL NO: 60-6001C
 FILE NO: 71117 6180-AR2
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
1,718,516	01/04/90		
1,381,802	05/31/90	05/31/00	Y

LOCAL AGENT: MARVAL, O'FARRELL & MAIPAL
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 501.50
 AMOUNT PAID: 1142.40
 DATE: 10/05/93

TICKLER DATA

DATE	EVENT	RESP
05/31/00	RENEWAL DUE	

GOODS: GASKETS AND PACKING RINGS.

REGISTER: D USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.		05/31/90	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFIL).....

LITIGATION

COMMENTS

MARVAL DN71011 JAN 8 1990 \$428.50 (APPLN)...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: TRP

COUNTRY: AUSTRALIA
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 17051 6180-AS
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
A288,753	07/11/75	07/11/82	Y
A288,753	07/11/92	07/11/96	Y
A288,753	07/11/96	07/11/06	Y

LOCAL AGENT: CALLINAN LAWRIE
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 650.00
 AMOUNT PAID: 650.00
 DATE: 01/12/96

TICKLER DATA

DATE	EVENT	RESP
07/11/06	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF SHEETS, STRIPS, TAPES AND RIBBONS,
 ALL OF THE FOREGOING BEING FOIL OR LAMINATES OF FOIL AND ALL BEING
 GOODS INCLUDED IN THIS CLASS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UGAR CCI (SUCCESSIVE 5-YR PERIODS)		01/01/89	01/01/94	N L
UCCI		10/01/89		Y R

DISCLAIMERS/CONSENT/UNDERTAKINGS
 LETTER OF CONSENT OBTAINED FROM COURTAULDS LTD, THEIR MARK GRAFIL
 CITED, NOV 30 1978.....WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL)...

LITIGATION

COMMENTS

ASSIGNMENT TO UCCI, THEN TO UGAR CARBON TECHNOLOGY CORP COMPLETED ON
 11/10/89LICENSE AGREEMENT TO ESTABLISH UGAR CCI AS REGISTERED USER
 HAS BEEN FILED

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL,
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

STATUS: IRF

COUNTRY: BRAZIL
 1ST USE: 60-6001C
 BILL NO: 17053 6180-BR
 FILE #: 124137
 OPRN #: 124137
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
750133090	07/16/75		
750133090	11/14/95	11/14/04	Y

LOCAL AGENT: DANIEL & CIA
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 120.00
 AMOUNT PAID: 2918.42
 DATE: 09/30/96

TICKLER DATA

DATE	EVENT	RESP
11/13/04	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS,
 FILAMENTS; GASKETS AND PACKING RINGS

NAME	REGISTERED USERS/LICENSEES	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 1-YR PERIODS)		01/01/89	01/01/94	N	L
UCAR CARBON COMPANY INC.		06/01/90		Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 UNDERTAKING GIVEN BY UCESA TO STE. GRAPHOLL & CO. (TRADEMARK
 GRAPHOLL)....WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

COMMENTS

NIMS DN APRIL 22A 1989 \$85 TO A/P 5/25/89..NIMS DN APRIL 4 1989 \$110
 (ASSOC SVC/DSB) TO A/P 7/18/89...NIMS DN 0061 AUG 15 1989 \$30
 (STATREP) TO A/P 8/21/89PETITION TO RECORD ASSIGNMENT FILED ON MARCH
 7, 1990 LICENSE AGREEMENT BEING PREPARED..... ASSGT RECORDED..... PTO

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS
REVOKED REJECTION OF APPLICATION PUBLISHED 5/4/93

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UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOFIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: CANADA
 1ST USE: 60-6001C
 BILL NO: FILE #: 17056 6180-C
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
137,196	09/04/64	09/04/79	Y
137,196	09/04/79	09/04/94	Y
137,196	09/04/94	09/04/09	Y

LOCAL AGENT: SIM & MC BURNNEY
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL: 524.02
 AMOUNT PAID: 524.02
 DATE: 09/20/94

TICKLER DATA

DATE	EVENT	RESP
09/04/09	RENEWAL DUE	

GOODS: GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, SHEETS, STRIPS, TAPES,
 RIBBONS, STRANDS, AND FILAMENT FOR GENERAL USE IN THE INDUSTRIAL
 ARTS... AMENDED SEPT 26 1969 TO INCLUDE: GASKETS AND PACKING
 RINGS... AMENDED JULY 31 1973 TO INCLUDE: GRAPHITE FOAM

REGISTER) USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCCL	01/17/69		Y	R
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFIL)....

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: CHINA, P. R.
 1ST USE: 60-6001C
 BILL NO: 17059
 FILE #: 6180-CI
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
162,830	09/30/82	09/30/92	Y
162,830	09/29/92	09/28/02	Y

LOCAL AGENT: CCPIT PATENT AND TRADEMARK LAW OFFICE
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 15

LAST BILL: 130.00
 AMOUNT PAID: 600.00
 DATE: 04/08/93

TICKLER DATA

DATE	EVENT	RESP
09/28/02	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE FLEXIBLE WEBS, SHEETS, STRIPS, TAPE, FOAM,
 STRANDS AND FILAMENTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.	01/01/89	09/29/92	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

UNDERTAKING GIVEN BY UCESA TO STE. GRAPHOLL & CO. (TRADEMARK
 GRAPHOLL)...WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL)....

LITIGATION

COMMENTS

ASSIGNMENT DOCUMENTS AND LICENSE AGREEMENT FILED AT THE CHINA
 TRADEMARK OFFICE ON 2/23/90... ASSIGNMENT RECORDED & LICENSE RECORDED

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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MARK: GRAFOIL
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB

STATUS: IRP

COUNTRY: COLOMBIA
1ST USE:
BILL NO: 60-6001C
FILE #: 147882 6180-CO-2
OPPN: 147815 6180-CO-OP1
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
375,258	02/11/93		
206,335	01/29/98	01/28/08	Y

LOCAL AGENT: CAVELLIER ABOGADOS
LITIGATION: Y
ASSOCIATIONS: N
CLASSES: 17

LAST BILL: 91.52
AMOUNT PAID: 3123.90
DATE: 11/05/97

TICKLER DATA

DATE	EVENT	RESP
01/28/08	RENEWAL DUE	

GOODS: RUBBER, GUTTA-PERCHA, GUM, ASBESTOS, MICA AND GOODS MADE FROM THESE MATERIALS AND NOT INCLUDED IN OTHER CLASSES; PLASTICS IN EXTRUDED FORM FOR USE IN MANUFACTURE, PACKING, STOPPING AND INSULATING MATERIALS; FLEXIBLE PIPES, NOT OF METAL.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

OPPOSITION TO TEXTILES DE ASBESTOS SUCCESSFUL 12/97.

COMMENTS

THIS RECORD WAS ENTERED FOR PURPOSES OF THE OPPOSITION TO GRAFOIL BY TEXTILES DE ASBESTO LTDA..... VENEZUELAN REG NO. 84,627-F DATED JULY 22 1977 CITED AS PRIORITY.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOFIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: COLOMBIA
 1ST USE: 60-6001C
 BILL NO: FILE #: 148382 6180-CO-1
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
375,259	02/11/93		
152,993	02/28/94	02/28/04	Y

LOCAL AGENT: CAVELIER ABOGADOS
 LITIGATION: Y
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 150.52
 AMOUNT PAID: 150.62
 DATE: 04/11/94

--- TICKLER DATA ---

DATE	EVENT	RESP
02/28/04	RENEWAL DUE	
04/12/98	CHECK STATUS OF OPPOSITION(NOT TEXTILES147315)	

GOODS: FILL IN LATER.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---
 WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFIL)

--- LITIGATION ---
 TEXTILES DE ASBESTOS LTDA OPPOSITION SUCCESSFUL 12/97.

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: DENMARK
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 17061 6180-D
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
674/1981	02/13/81	02/13/91	Y
674/1981	02/13/91	02/13/01	Y

LOCAL AGENT: BUJDE, SCHOU & CO.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 588.00
 AMOUNT PAID: 588.00
 DATE: 01/09/91

TICKLER DATA

DATE	EVENT	RESP
02/13/01	RENEWAL DUE	

GOODS: FLEXIBLE WEBS, CLOTHS INDIVIDUAL OR LAMINATED SHEETS, STRIPS, RIBBONS
 AND FOAM, ALL THE SAID GOODS MADE WHOLLY OF CARBON AND GRAPHITE, FOR
 USE AS PACKING MATERIAL, INCLUDING PACKING RINGS, AND AS INSULATING
 AND SEALING MATERIALS

REGISTER D USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

GRAFOIL OWNED BY MORGANITE CARBON LTD CITED. LETTER OF CONSENT
 ISSUED.....WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFOIL).....

LITIGATION

COMMENTS

ASSGT RECORDED 2/7/90...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: APA

COUNTRY: EUROPEAN UNION
 1ST USE: 60-6001C
 BILL NO: 162474
 FILE #: 6180-EU
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
37,291	04/01/96		

LOCAL AGENT: GEVERS & PARTNERS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1 17

LAST BILL: 65.00
 AMOUNT PAID: 168.00
 DATE: 07/24/97

TICKLER DATA

DATE	EVENT	RESP
04/21/98	CHECK STATUS	MD

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS, AND FILAMENTS IN INT. CLASS 1. GASKETS, PACKAGING RINGS, INSULATING AND SEALING MATERIALS IN INT. CLASS 17.

PRIORITY/SENIORITY
 CLAIMS: DENMARK REG. NO. 674/1981; FINLAND REG. NO. 74816; GREECE REG. NO. 59625; IRELAND REG. NOS. 154738, 154739; SWEDEN REG. NO. 165401; UNITED KINGDOM REG. NO. 938730

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: FINLAND
 1ST USE: 60-6001C
 BILL NO: FILE #: 17062 6180-FI
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
74,816	10/06/80	10/06/90	Y
74,816	10/06/90	10/06/00	Y

LOCAL AGENT: BERGGREN OY AB
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1 17

LAST BILL: 714.00
 AMOUNT PAID: 714.00
 DATE: 08/23/90

TICKLER DATA

DATE EVENT
 10/06/00 RENEWAL DUE
 RESP

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS,
 FILAMENTS; GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFOIL).....

LITIGATION

COMMENTS

BERGGREN DN 91980 FIMI750 US\$411 (ASSIGNMENT) TO A/P 10/10/89... ASSGT
 RECORDED DEC 13 1989... LICENSE RECORDED 12/14/89

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: GREECE
 1ST USE: 60-6001C
 BILL NO: FILE #: 17063 6180-GR
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
59,625	09/05/77	09/05/87	Y
59,625	09/05/87	09/05/97	Y
59,625	09/05/97	09/05/97	Y

LOCAL AGENT: VAYANOS KOSTOPOULOS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 380.00
 AMOUNT PAID: 380.00
 DATE: 11/11/97

TICKLER DATA

DATE	EVENT	RESP
09/05/07	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS,
 FILAMENTS; GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (6087/90)	SUCCESSIVE 5-YR PERS.	01/01/89 01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFOIL).....

LITIGATION

COMMENTS

VAYANOS DN FEB 21 1990 \$537 ASSGT RECORDAL OF JAN 24 1990... PETITION
 TO RECORD LICENSE AGREEMENT HAS BEEN FILED

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: IRELAND
 1ST USE: 60-6001C
 BILL NO: FILE #: 145634 6180-IL?
 ORGN CODE: CARB

STATUS: IRF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
6094/92	11/18/92		
154,738	11/18/99		Y

LOCAL AGENT: F. R. KELLY & CO.
 LITIGATION: N
 ASSOCIATIONS: Y
 CLASSES: 1
 LAST BILL: 456.00
 AMOUNT PAID: 1462.00
 DATE: 02/03/95

TICKLER DATA

DATE EVENT RESSP

11/17/99 RENEWAL DUE
 GOODS: GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, SHEETS, STRIPS, TAPES,
 RIBBONS, STRANDS AND FILAMENTS FOR GENERAL USE IN THE INDUSTRIAL
 ARTS; GRAPHITE FOAM IN CLASS 1

REGISTER D USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.			Y	R

DISCLAIMERS/CONSENT/UNDERTAKINGS

ASSOCIATED WITH GRAFOIL NO. 6095/92... WORLDWIDE CONSENT AND
 UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFOIL)...

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: IRELAND
 1ST USE: 60-6001C
 BILL NO: 147207
 FILE #: 6180-1L?
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
6095/92	11/18/92		
154,739	11/18/92	11/18/99	Y

LAST BILL: 456.00
 AMOUNT PAID: 184.00
 DATE: 02/06/95

LOCAL AGENT: F. R. KELLY & CO.
 LITIGATION: N
 ASSOCIATIONS: Y
 CLASSES: 17

TICKLER DATA

DATE	EVENT	RESP
11/17/99	RENEWAL DUE	

GOODS: GASKETS AND PACKING RINGS IN CLASS 17.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.			Y	R

DISCLAIMERS/CONSENT/UNDERTAKINGS

ASSOCIATED WITH GRAFOIL APPLICATION NO.6094/92... WORLDWIDE CONSENT
 WITH SOCIETE GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOFIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: JAPAN
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 17070 6180-J?
 ORGN CODE: CARB

STATUS: IRF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
1,664,036	02/23/84	02/23/94	Y
1,664,036	02/23/94	02/23/04	Y

LOCAL AGENT: SUZUYE & SUZUYE
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 34

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
02/23/04	RENEWAL DUE	

GOODS: INDIVIDUAL OR LAMINATED SHEET STRIPS, AND FOAM AND ALL MADE OF CARBON AND GRAPHITE

REGISTERED USERS/LICENSEES

NAME	AGREEMENT EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y L

DISCLAIMERS/CONSENT/UNDERTAKINGS

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFIL).....

LITIGATION

COMMENTS

ORIGINAL CERTIFICATE SENT TO TRAUB IN MARCH 1984ASSIGNMENT DOCUMENTS SENT 8/23/89-ASSOCIATES THINK THEY WILL BE ACCEPTEDLICENSE BEING WORKED ON...ASSGT RECORDED NOV 5 1990...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

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MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP
 COUNTRY: JAPAN
 1ST USE: 60-6001C
 BILL NO: FILE #: 17071 6180-J
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
63714/88	06/06/88		
2,326,663	08/30/91		Y

LOCAL AGENT: SUZUYE & SUZUYE
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 16
 LAST BILL: 58.00
 AMOUNT PAID: 1460.00
 DATE: 10/04/91

TICKLER DATA

DATE	EVENT	RESP
08/30/01	RENEWAL DUE	

GOODS: FLEXIBLE WEBS, KNITTINGS, FELTS, NON-WOVEN FABRICS, TAPES AND RIBBONS, ALL MADE OF CARBON OR GRAPHITE, AND ALL OTHER GOODS IN THE CLASS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 1-YR PERIODS)	01/01/89	01/01/94	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

ASSOCIATED WITH 1,370,432... UNDERTAKING GIVEN BY UCESA TO STE. GRAPHOIL & CO. (TRADEMARK GRAFOIL)... WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFOIL)...

LITIGATION

COMMENTS

THIS REPLACES REG NO. 1,247,556 LAPSED DUE TO FAILURE BY BALOGH TO RENEW... COSTS SHOULD BE CHARGED TO TRAUB LITIGATION PROJECT NUMBER... SUZUYE DN 091451 DATED JUNE 9 1988 (YEN 112,240 APP US\$842) FOR FILING APPLN TO A/P JUNE 25 1988ASSIGNMENT DOCUMENTS SENT 8/23/89-ASSOC THINK THEY'RE ACCEPTABLE, LICENSE BEINGWORKED ON

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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TRADEMARK
REEL: 1769 FRAME: 0252

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: AAP
 COUNTRY: JAPAN
 1ST USE: 60-6001C
 BILL NO: FILE #: 153387 6180-J
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

 NUMBER DATE RENEWAL RECEIVED

 36500/94 04/13/94

LOCAL AGENT: SUZUYE & SUZUYE
 LITIGATION: N
 ASSOCIATIONS: Y
 CLASSES: 1
 LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

 DATE EVENT RESP

GOODS: FLEXIBLE CARBON AND GRAPHITE.

 REGISTERED USERS/LICENSEES

 NAME AGREEMENT EXPIRES RECORDED ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

 ASSOCIATED WITH GRAFOIL IN KATAKANA NO. 1,756,787... WORLDWIDE
 CONSENT WITH SOCIETE GRAVOGRAPH (GRAVOFOIL).....

 LITIGATION

COMMENTS

 THIS APPLICATION WAS FILED AS A PRECAUTION WHILE THE ERROR IN THE
 RENEWAL OF THE EXISTING GRAFOIL REGISTRATION WAS CORRECTED.
 ABANDONED.

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: MEXICO
 1ST USE: 60-6001C
 BILL NO: FILE #: 17074 6180-M-
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
201,991	01/10/77	01/10/82	Y
201,991	01/10/82	01/10/87	Y
201,991	01/10/87	01/10/92	Y
201,991	01/10/92	01/10/02	Y

LOCAL AGENT: BECERRILL, COCA & BECERRILL, S.C.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 35

LAST BILL: 726.50
 AMOUNT PAID: 726.50
 DATE: 02/07/92

--- TICKLER DATA ---

DATE	EVENT	RESP
01/10/02	RENEWAL DUE	

GOODS: GASKETS AND PACKING RINGS

--- REGISTE: D USERS/LICENSES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
DCCI		01/01/89	Y	L

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFOIL)....

--- LITIGATION ---

--- COMMENTS ---

ACK OF RECEIPT OF ASSIGNMENT AND LICENSE DOCUMENTS REC'D HERE
 9/26/89ASSIGNMENT AND LICENSE RECORDED 2/9/93

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: TRF

COUNTRY: MEXICO
 1ST USE: 60-6001C
 BILL NO: FILE #: 17075 6180-M-
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
202,353	01/10/77	01/10/82	Y
202,353	01/10/82	01/10/87	Y
202,353	01/10/87	01/10/92	Y
202,353	01/10/92	01/10/02	Y

LOCAL AGENT: BECERRILL, COCA & BECERRILL, S.C.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 13

LAST BILL: 726.50
 AMOUNT PAID: 726.50
 DATE: 02/07/92

TICKLER DATA

DATE	EVENT	RESP
01/10/02	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS, FILAMENTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCCI	01/01/89		Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH
 (GRAVOFOIL).....

LITIGATION

COMMENTS

ACK OF ASSIGNMENT AND LICENSE DOCUMENTS RED'D 9/26/89... ASSIGNMENT
 AND LICENSE RECORDED 2/3/93

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: NEW ZEALAND
 1ST USE: 60-6001-C
 BILL NO: FILE #: 17076 6180-NZ
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
120,039	07/12/77	07/12/84	Y
120,039	07/12/84	07/12/98	Y

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
07/12/98	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS, FILAMENTS, GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	R

DISCLAIMERS/CONSENT/UNDERTAKINGS
 UNDERTAKING GIVEN BY UCESA TO STE. GRAVOIL & CO., (TRADEMARK GRAVOIL)...WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOIL).....

LITIGATION

COMMENTS

ASSGT RECORDED AUG 21 1990...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOFIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP
 COUNTRY: NORWAY
 1ST USE: 60-6001C
 BILL NO: FILE #: 17078 6180-N
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
104,052	01/17/80	01/17/90	Y
104,052	01/17/90	01/17/00	Y

LOCAL AGENT: BERGEN PATENTKONTOR
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17
 LAST BILL: 491.00
 AMOUNT PAID: 491.00
 DATE: 01/10/90

TICKLER DATA

DATE	EVENT	RESP
01/17/00	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS, FILAMENTS, GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

UNDERTAKING GIVEN BY UCESA TO STE. GRAFOIL & CO. (TRADEMARK GRAFOFIL)... WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFIL).....

LITIGATION

COMMENTS

ASSIGNMENT RECORDED OCTOBER 4 1989... BERGEN DN 2129 JAN 10 1990
 NOK3,250 US\$491 (REN'L)... LICENSE RECORDED 10/4/89

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: PHILIPPINES
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 14876 6180-PH
 ORGN CODE: CARB

STATUS: ERF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
25,533	12/29/77	12/29/97	Y

LOCAL AGENT: SIGUION REYNA, MONTECILLO & ONGSIAKO
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 1

LAST BILL: 189.55
 AMOUNT PAID: 280.80
 DATE: 04/23/93

TICKLER DATA

DATE	EVENT	RESP

GOODS: GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, SHEETS, STRIPS, TAPES,
 RIBBONS, STRANDS AND FILAMENT FOR GENERAL USE IN THE INDUSTRIAL ARTS

REGISTRANT AND USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 5-YR PERIODS)		01/01/89	01/01/94	N L

DISCLAIMERS/CONSENT/UNDERTAKINGS

UNDERTAKING GIVEN BY UCESA TO STE. GRAFOIL & CO. (TRADEMARK GRAFOIL)

LITIGATION

COMMENTS

NIMS DN 0083 OCT 10 1989 \$15 TO A/P 10/20/89.. NIMS DN 1002 DEC 10
 1989 \$30 TO A/P 12/20/89..... ASSTG RECORDED 9/29/89..... APPL. OF
 NON-USE NOT ACCEPTED BECAUSE OF NO "SPECIAL
 CIRCUMSTANCES"..... AGENT CONFIRMED REGISTRATION LAPSED.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: TRF

COUNTRY: PHILIPPINES
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 14876 6180-PH
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
95,298	09/19/94		
95,298	12/17/97	12/17/17	Y

LOCAL AGENT: SIGUION REYNA, MONTECILLO & ONGSTAKO
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 9
 LAST BILL: 84.30
 AMOUNT PAID: 669.28
 DATE: 02/12/98

TICKLER DATA

DATE	EVENT	RESP
12/17/17	RENEWAL DUE	AU
12/17/13	RENEWAL DUE - AFF/USE DUE BEFORE 12/17/13	AU
12/17/08	RENEWAL DUE - AFF/USE DUE BEFORE 12/17/08	AU
12/17/03	RENEWAL DUE - AFF/USE DUE BEFORE 12/17/03	AU

GOODS: GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, SHEETS, STRIPS, TAPES, RIBBONS, STRANDS AND FILAMENTS FOR GENERAL USE IN THE INDUSTRIAL ARTS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

DISCLAIMERS/CONSENT/UNDERAKINGS

LITIGATION

COMMENTS

THIS APPL REPLACES REG NO. 25,533.....

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

STATUS: IRP

COUNTRY: SOUTH AFRICA
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 17085 6180-SA
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
75/3634	07/14/75	07/14/85	Y
75/3634	07/14/85	07/14/95	Y
75/3634	07/14/95	07/14/05	Y

LOCAL AGENT: ADAMS & ADAMS
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL: 193.00
 AMOUNT PAID: 193.00
 DATE: 03/15/95

TICKLER DATA

DATE	EVENT	RESP
07/05/05	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS,
 FILAMENTS, GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CGI (EXT/SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L
UCAR CARBON COMPANY INC. (UNLIMITED)	10/10/89		Y	R

DISCLAIMERS/CONSENT/UNDERTAKINGS

UNDERTAKING GIVEN BY UCESA TO STE. GRAFOIL & CO. (TRADEMARK
 GRAFOIL)... WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

COMMENTS

ASSIGN DOCS BEING AMENDED, RU RECORDAL IN PROGRESS... ASSGT RECORDED
 SEPT 7 1990...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: SWEDEN
 1ST USE: 60-6001C
 BILL NO: FILE #: 17087 6180-S
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
165,401	11/10/78	11/10/88	Y
165,401	11/10/88	11/10/98	Y

LOCAL AGENT: ALBTHNS PATENTBYRA STOCKHOLM AB
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 10

LAST BILL: 450.00
 AMOUNT PAID: 450.00
 DATE: 09/14/88

TICKLER DATA

DATE	EVENT	RESP
11/10/98	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS, FILAMENTS, GASKETS AND PACKING RINGS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

GRAPHIL OWNED BY COURTAULDS LTD CITED. LETTER OF CONSENT OBTAINED...UNDERTAKING GIVEN BY UCESA TO STE. GRAFOIL & CO. (TRADEMARK GRAFOIL)...WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

COMMENTS

ALBTHNS DN 483037 DATED SEPT 14 1988 FOR REN'L (SEK 2880 - US\$450) TO A/P 10/05/88...ASSGT RECORDED FEB 23 1990...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAVOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: ERF

COUNTRY: TAIWAN
 1ST USE: 60-6001C
 BILL NO: FILE #: 14877 6180-TA-1
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
87,440	02/01/77	02/01/87	Y
87,440	02/01/87	02/01/97	Y

LOCAL AGENT: WANG & WANG
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 37

LAST BILL: 151.00
 AMOUNT PAID: 472.00
 DATE: 01/09/98

TICKLER DATA

DATE	EVENT	RESP
02/22/98	FILE NEW APPLICATION?	MD

GOODS: TAPES, RIBBONS, FOAM, STRANDS, FILAMENTS

REGISTE ED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.	01/01/89	01/31/97	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS
 UNDERTAKING GIVEN BY UCESA TO STR. GRAVOIL & CO., (TRADEMARK
 GRAVOIL)...WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOIL).....
 LITIGATION

COMMENTS
 ASSGT RECORDED FEB 2 1990...LIC RECORDED SEPT 20 1990...RENEWAL
 APPLICATION REJECTED; MARK IS NOT USED FOR GOODS OF REG.

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

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MARK: GRAPFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: APA

COUNTRY: TAIWAN
 1ST USE:
 BILL. NO:
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
87013219	03/24/98		

LOCAL AGENT: LEE AND LI
 LITIGATION: N
 ASSOCIATIONS: Y
 CLASSES: 17

LAST BILL:
 AMOUNT PAID:
 DATE:

--- TICKET DATA ---

DATE	EVENT	RESP
03/31/99	CHECK STATUS OF APPLICATION	MD

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

ASSOCIATED WITH REG NO. 124,151

--- LITIGATION ---

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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MARK: GRAFOIL
REGISTRANT: UCAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: APA

COUNTRY: TAIWAN
1ST USE:
BILL NO:
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
87013218	03/24/98		

LOCAL AGENT: LEE AND LI
LITIGATION: N
ASSOCIATIONS: N
CLASSES: 1

LAST BILL:
AMOUNT PAID:
DATE:

TICKLER DATA

DATE	EVENT	RESP
03/31/99	CHECK STATUS OF APPLICATION	MD

GOODS: GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, SHEETS, STRIPS, TAPES,
RIBBONS, STRANDS, AND FILAMENTS FOR GENERAL USE IN INDUSTRY

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
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DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: TURKEY
 1ST USE: 60-6001C
 BILL NO: FILE #: 17092 6180-T
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
59,627	09/12/77	09/12/87	Y
99,456	09/12/87	09/12/97	Y
99,456	09/12/97	09/12/07	Y

LOCAL AGENT: DERIS PATENTS AND TRADEMARKS AGENCY LIMITED
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL: 1775.00
 AMOUNT PAID: 1775.00
 DATE: 08/26/97

TICKLER DATA

DATE	EVENT	RESP
09/12/07	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS,
 FILAMENTS, GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UGAR CCI (EXT/SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

UNDERTAKING GIVEN BY UGESA TO STE. GRAFOIL & CO. (TRADEMARK
 GRAFOIL)...WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL).....

LITIGATION

COMMENTS

ASSGT RECORDED 13 KASIM (?) 1990...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: UNITED KINGDOM
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 17095 6180-UK
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
938,730	02/25/69	02/25/76	Y
938,730	02/25/76	02/25/90	Y
938,730	02/25/90	02/25/04	Y

LOCAL AGENT: SANDERSON & CO.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 17

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
02/25/04	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE, ALL BEING FOIL OR LAMINATES OF FOIL AND IN THE FORM OF SHEETS, STRIPS, TAPES AND RIBBONS; ALL FOR USE IN MANUFACTURES; GASKETS AND PACKING RINGS, ALL MADE FROM THE AFORESAID MATERIALS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (EXT/SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	N	L
UCAR CARBON COMPANY INC.	05/08/90		Y	R
UCAR CARBON LIMITED			Y	R

DISCLAIMERS/CONSENT/UNDERTAKINGS
 CONSENT: COURTAULDS LTD, JAN 20 1971 (OBTAINED) . . . ALSO AGREEMENT DATED MARCH 24 1971 . . . UNDERTAKING GIVEN BY UCESA TO STE. GRAFOIL AND CO (TRADEMARK GRAFOIL) WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE GRAVOGRAPH (GRAVOFOIL)

LITIGATION
 COMMENTS
 ASSGT RECORDED APRIL 22 1991 . . .

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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TRADEMARK
REEL: 1769 FRAME: 0267

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

STATUS: IRF

COUNTRY: VENEZUELA
 1ST USE: 60-6001C
 BILL NO: FILE #: 16948 6180-V
 ORGN CODE: CARB OPPN: 148817 6180-V-0P

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
84,627	07/22/77	07/22/92	Y
84,627	07/22/92	07/22/07	Y

LOCAL AGENT: VALLINA GRISANTI & ASOCIADOS (ALSO VICTOR BENTATA)
 LITIGATION: Y LAST BILL: 1984.50
 ASSOCIATIONS: N AMOUNT PAID: 4489.50
 CLASSES: 1 DATE: 12/21/93

TICKLER DATA

DATE	EVENT	RESP
07/22/07	RENEWAL DUE	MD
08/22/98	CHECK STATUS: OPPOSITION TO MARTINEZ APPLNS	MD

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS, FILAMENTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.	01/01/89	01/01/94	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

UNDERTAKING GIVEN BY UCESA TO STE. GRAHOIL & CO. (TRADEMARK
 GRAHOIL) ... WORLDWIDE CONSENT AND UNDERTAKING WITH SOCIETE
 GRAVOGRAPH (GRAVOFOIL) ...

LITIGATION

COMMENTS

APPLN TO RECORD ASSIGN FILED 11/3/89 ... ASSIGNMENT RECORDED JAN
 3 1994 ...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

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MARK: GRAFOIL AND CHINESE
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRF

COUNTRY: TAIWAN
 1ST USE: 60-6001C
 BILL NO: FILE #: 14882 6180-TA-2
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
124,151	11/16/79	11/16/89	Y
124,151	11/16/89	11/16/99	Y

LOCAL AGENT: LEE & LI
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 92

LAST BILL: 146.00
 AMOUNT PAID: 972.00
 DATE: 11/01/90

TICKLER DATA

DATE	EVENT	RESP
11/15/99	RENEWAL DUE MUST RENEW LICENSE ALSO	

GOODS: GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.	01/01/89	11/15/99	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

ASSGT RECORDED NOV 15 1989... LICENSE RECORDED APRIL 10 1990... LEMILLI
 DN90-T-2535 APRIL 9 1990 NT\$20,626 US\$826...

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

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 05/05/98

MARK: GRAFOIL AND KOREAN
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: SOUTH KOREA
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 17073 6180-K-
 ORGN CODE: CARB

STATUS: ERF

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
89,655	03/31/83	03/31/93	Y

LOCAL AGENT: KIM, SHIN & YU
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 10

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP

GOODS: CARBON AND GRAPHITE IN THE FORM OF FLEXIBLE WEBS, CLOTHS, INDIVIDUAL
 OR LAMINATED SHEETS, STRIPS, TAPES, RIBBONS, FOAM, STRANDS,
 FILAMENTS; GASKETS AND PACKING RINGS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)		01/01/89	01/01/94	N
LICENSEE FROM UCAR CARBON TECHNOLOGY CORP				L
PORTATION TO UCAR CARBON COMPANY INC.				
SHOULD BE RENEWED IN 5 YEARS				

DISCLAIMERS/CONSENT/UNDERTAKINGS

CRAMPOL OWNED BY DAINIPPON PHARMACEUTICAL CO., LTD CITED

LITIGATION

COMMENTS

ASSIGN RECORDED APRIL 17, 1990... ALLOWED TO LAPSE PER M.R. DAY. SEE
 LETTER IN FILE

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAPHITE AND KOREAN
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: SOUTH KOREA
 1ST USE: 60-6001C
 BILL NO: FILE #: 101445 6180-K
 ORGN CODE: CARB

STATUS: IRP

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
68,805	04/24/80	04/24/90	Y
68,805	04/24/90	04/24/00	Y

LOCAL AGENT: KIM, SHIN & YU
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 16
 LAST BILL: 892.00
 AMOUNT PAID: 1819.29
 DATE: 08/03/93

TICKLER DATA

DATE EVENT
 04/24/00 RENEWAL DUE LICENSE MUST BE RECORDED WITH RENEWAL
 RESP

GOODS: NATURAL GRAPHITE AND GRAPHITE

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCCI	04/28/93	04/24/00	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

ASSIGN RECORDED APRIL 17, 1990. LIC AND ADDRESS CHANGE COMPLETED
 6/15/93

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAFOIL IN KATAKANA
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: JAPAN
 1ST USE: 60-6001C
 BILL NO: FILE #: 17069 6181-J
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
1,756,787	03/25/85	03/25/95	Y
1,756,787	03/25/95	03/25/05	Y

LOCAL AGENT: SUZUYE & SUZUYE
 LITIGATION: N
 ASSOCIATIONS: Y
 CLASSES: 34

LAST BILL: 3418.00
 AMOUNT PAID: 3418.00
 DATE: 04/07/95

--- TICKLER DATA ---

DATE	EVENT	RESP
03/25/05	RENEWAL DUE	

GOODS: INDIVIDUAL OR LAMINATED SHEETS, STRIPS AND FOAM, ALL MADE OF CARBON
 OR GRAPHITE; AND ALL OTHER GOODS IN THE CLASS

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CCI (SUCCESSIVE 5-YR PERIODS)	01/01/89	01/01/94	Y	L

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

GIA OWNED BY HARUO TAKAHASHI (INDIVIDUAL) CITED AND
 OVERCOME.....ASSOCIATED WITH CLASS 1 APPLICATION FOR GRAFOIL.....

--- LITIGATION ---

--- COMMENTS ---

ASSGT RECORDED NOV 5 1990...LICENSE BEING PREPARED

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

PAGE 82
 05/05/98

MARK: GRAPHI-SCREW
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: OUT

COUNTRY: UNITED STATES
 1ST USE:
 BILL NO: 60-6001C
 ORGN CODE: CARB

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
---	---	---	---

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL: 290.00
 AMOUNT PAID: 290.00
 DATE: 08/09/93

--- TICKLER DATA ---

DATE	EVENT	RESP
---	---	---

GOODS: LOCKING DEVICES TO SECURE JOINTS ON ARC FURNACE ELECTRODE ASSEMBLIES.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
---	---	---	---	---

--- DISCLAIMER / CONSENT / UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

GRAPHI-NAIL ADOPTED INSTEAD

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAPHI-TOOL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB

COUNTRY: IRELAND
 1ST USE:
 BILL NO: 60-6001C
 FILE #: 145649
 ORGN CODE: CARB

STATUS: IRP

--- REGISTRATION/APPLICATION DATA ---

NUMBER	DATE	RENEWAL	RECEIVED
6100/92	11/18/92		
154,737	11/18/92	11/18/99	Y

LOCAL AGENT: F. R. KELLY & CO.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 7

LAST BILL: 456.00
 AMOUNT PAID: 1735.00
 DATE: 02/06/95

--- TICKLER DATA ---

DATE	EVENT	RESP
11/17/99	RENEWAL DUE	

GOODS: GRAPHITE TOOLING SYSTEMS USED IN TOOLING CARBON AND/OR GRAPHITE
 COMPOSITES FOR USE IN THE DEFENSE, SATELLITE AND AEROSPACE INDUSTRIES.

--- REGISTERED USERS/LICENSEES ---

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC. (UNLIMITED)			Y	R
UCAR CARBON LIMITED (RU10707)			Y	R

--- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

--- LITIGATION ---

--- COMMENTS ---

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAPHI-TOOL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: TAIWAN
 1ST USE: 60-6001C
 BILL NO: FILE #: 145728 6184-TA
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
81063363	12/23/92		
614,604	10/10/93	09/30/03	Y

LOCAL AGENT: LEE & LI
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 84

LAST BILL: 809.00
 AMOUNT PAID: 1676.00
 DATE: 11/23/93

TICKLER DATA

DATE	EVENT	RESP
09/30/03	RENEWAL DUE	

GOODS: GRAPHITE TOOLING MACHINES.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCAR CARBON COMPANY INC.	12/14/93	09/30/03	Y	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: GRAPHI-TOOL
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP
 COUNTRY: UNITED KINGDOM
 1ST USE: 60-6001C
 BILL NO: FILE #: 145721 6184-UK
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
1,518,774	11/13/92	11/13/99	Y

LOCAL AGENT: GRANT, SPENCER, CAISLEY & PORTEOUS LTD.
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES: 7
 LAST BILL: 875.00
 AMOUNT PAID: 1553.50
 DATE: 05/19/94

TICKLER DATA

 DATE EVENT RESP

11/13/99 RENEWAL DUE
 GOODS: MACHINE TOOLS; PARTS AND FITTINGS FOR ALL THE AFORESAID GOODS; ALL INCLUDED IN CLASS 7.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UGAR CARBON COMPANY INC.			N	R
UGAR CARBON LIMITED			N	R

DISCLAIMERS/CONSENT/UNDERTAKINGS

 LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

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05/05/98

MARK: NEW GRAF
REGISTRANT: UGAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: PTM

COUNTRY: UNITED STATES
1ST USE: 60-6001C
BILL NO: 60-6001C
FILE NO:
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
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LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES: 9

LAST BILL: 360.40
AMOUNT PAID: 360.40
DATE: 04/05/96

TICKLER DATA

DATE	EVENT	RESP
04/05/98	DROP?	MD

GOODS: LAMINATES OF FLEXIBLE GRAPHITE SHEET AND POLYMER FILM FOR INDUSTRIAL APPLICATIONS.

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
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DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: PYROFOAM
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: IRP

COUNTRY: CANADA
 1ST USE: 60-6001C
 BILL NO: FILE #: 20708 6335-C
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
177,988	08/27/71	08/27/86	Y
177,988	08/27/86	08/27/01	Y

LOCAL AGENT: SIM & MC BURNEY
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP
08/27/01	RENEWAL DUE	

GOODS: CARBON AND GRAPHITE FOAM SOLD IN SHEET, BAR AND BILLET FORM FOR
 GENERAL USE IN THE INDUSTRIAL ARTS

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDED	ROLE
UCCL		07/14/70	Y	R
UCAR CCI (SUCCESSIVE 1-YR PERIODS)		01/01/89	N	L

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

PAGE 91
05/05/98

MARK: RAM-TASTIC
REGISTRANT: UGAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: OUT

COUNTRY: UNITED STATES
1ST USE:
BILL NO: 60-6001C
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED
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LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES:

LAST BILL:
AMOUNT PAID:
DATE:

TICKLER DATA

DATE	EVENT	RESP
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GOODS: CARBONACEOUS PASTE PRODUCTS

NAME	REGISTERED USERS/LICENSEES	AGREEMENT	EXPIRES	RECORDED	ROLE
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DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: TEFSEAL
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: OUT

COUNTRY: UNITED STATES
 1ST USE:
 BILL NO: 60-6001C
 FILE #:
 ORGN CODE: CARB

6412-US

REGISTRATION/APPLICATION DATA

 NUMBER DATE RENEWAL RECEIVED

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL: 280.00
 AMOUNT PAID: 280.00
 DATE: 10/27/92

TICKLER DATA

 DATE EVENT RSP

GOODS: GASKETS AND GASKETING MATERIALS USED IN CHEMICAL PROCESSES.

REGISTERED USERS/LICENSEES

 NAME AGREEMENT EXPIRES RECORDED ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

RECOMMENDED 11/92 THAT MARK NOT BE ADOPTED OR USED

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

MARK: ULTRAGRAPH
 REGISTRANT: UGAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: OUT

COUNTRY: UNITED STATES
 1ST USE: PROPOSED
 BILL NO:
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

 NUMBER DATE RENEWAL RECEIVED

LOCAL AGENT: N
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL:
 AMOUNT PAID:
 DATE:

--- TICKLER DATA ---

DATE EVENT ----- RESP

 DROPPED FROM CONSIDERATION PER C. BOWEN 12/90

 GOODS: FLEXIBLE GRAPHITE MATERIALS CONTAINING A CERAMIC CLOTH INTERLAYER FOR
 USE AS A GASKETING MATERIAL IN SEALING APPLICATIONS INVOLVING FLUIDS
 OR GASES

REGISTERED USERS/LICENSEES ---
 NAME AGREEMENT EXPIRES RECORDED ROLE

 --- DISCLAIMERS/CONSENT/UNDERTAKINGS ---

LITIGATION ---

 COMMENTS ---

TRADEMARKSCAN SEARCH 5/15 OKAY- CLIENT PREFERS OTHER ALTERNATIVE:
 DORAGRAPH

UCC TRADEMARKS SYSTEM
DETAILED LISTING OF TRADEMARKS

MARK: WONDER-RAM
REGISTRANT: UGAR CARBON TECHNOLOGY CORP
DIVISIONS: CARB
STATUS: OUT

COUNTRY: UNITED STATES
1ST USE:
BILL NO: 60-6001C
ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER DATE RENEWAL RECEIVED

LOCAL AGENT:
LITIGATION: N
ASSOCIATIONS: N
CLASSES:

LAST BILL:
AMOUNT PAID:
DATE:

TICKLER DATA

DATE EVENT

RESP

GOODS: CARBONACEOUS PASTE PRODUCTS.

REGISTERED USERS/LICENSEES

NAME AGREEMENT EXPIRES RECORDED ROLE

DISCLAIMER: CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

UCC TRADEMARKS SYSTEM
 DETAILED LISTING OF TRADEMARKS

PAGE 99
 05/05/98

MARK: XPANDO-RAM
 REGISTRANT: UCAR CARBON TECHNOLOGY CORP
 DIVISIONS: CARB
 STATUS: OUT

COUNTRY: UNITED STATES
 1ST USE: N/A
 BILL NO:
 ORGN CODE: CARB

REGISTRATION/APPLICATION DATA

NUMBER	DATE	RENEWAL	RECEIVED

LOCAL AGENT:
 LITIGATION: N
 ASSOCIATIONS: N
 CLASSES:

LAST BILL:
 AMOUNT PAID:
 DATE:

TICKLER DATA

DATE	EVENT	RESP

GOODS: CARBONACEOUS PASTE PRODUCTSMARK NOT AVAILABLE

REGISTERED USERS/LICENSEES

NAME	AGREEMENT	EXPIRES	RECORDRD	ROLE

DISCLAIMERS/CONSENT/UNDERTAKINGS

LITIGATION

COMMENTS

SCHEDULE III
TO INTELLECTUAL
PROPERTY SECURITY AGREEMENT

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REGISTRATION APPLICATIONS*

<i>Registration No.</i>	<i>Country</i>	<i>Issue or File Date</i>	<i>Title</i>
	None		

SCHEDULE IV
TO INTELLECTUAL
PROPERTY SECURITY AGREEMENT

TRADE NAMES

None

SCHEDULE V
TO INTELLECTUAL
PROPERTY SECURITY AGREEMENT

LIENS ON

None

SUPPLEMENT NO. _____ dated as of [_____], to the Intellectual Property Security Agreement dated as of April 22, 1998 (the "*Intellectual Property Security Agreement*"), among UCAR GLOBAL ENTERPRISES INC., a Delaware corporation (the "*Borrower*"), each of the U.S. Subsidiaries (such term and each other capitalized term used but not defined having the meaning given it in the Intellectual Property Security Agreement, and if not defined therein, having the meaning given it in Section 1.01 of the Credit Agreement referred to below) party thereto (together with the Borrower, the "*Grantors*") and THE CHASE MANHATTAN BANK, a New York banking corporation, as collateral agent (the "*Collateral Agent*") for the Secured Parties.

A. Reference is made (i) to the Credit Agreement dated as of October 19, 1995, as amended and restated as of March 19, 1997 (as amended or modified from time to time, the "*Credit Agreement*"), among UCAR INTERNATIONAL INC., a Delaware corporation, the Borrower, the other Credit Parties, the Lenders, the Fronting Banks, the Administrative Agent and the Collateral Agent and (ii) to the Waiver dated as of April 10, 1998, under the Credit Agreement (the "*Waiver*").

B. The Borrower and the U.S. Subsidiaries have entered into the Intellectual Property Security Agreement in order to induce (i) the Lenders to make Loans and the Fronting Banks to issue Letters of Credit pursuant to, and upon the terms and subject to the conditions specified in, the Credit Agreement and (ii) the Required Lenders to waive certain provisions of the Credit Agreement pursuant to the Waiver. Pursuant to Section 5.11 of the Credit Agreement, each U.S. Subsidiary that was not in existence or not a U.S. Subsidiary on the date thereof is required to enter into the Intellectual Property Security Agreement as a Grantor upon becoming a U.S. Subsidiary. Section 6.15 of the Intellectual Property Security Agreement provides that additional U.S. Subsidiaries may become Grantors under the Intellectual Property Security Agreement by execution and delivery of an instrument in the form of this Supplement. The undersigned (the "*New Grantor*") is a U.S. Subsidiary and is executing this Supplement in accordance with the requirements of the Credit Agreement to become a Grantor under the Intellectual Property Security Agreement in order to induce the Lenders to make additional Loans and the Fronting Banks to issue additional Letters of Credit and as consideration for Loans previously made and Letters of Credit previously issued.

Accordingly, the Collateral Agent and the New Grantor agree as follows:

SECTION 1. In accordance with Section 6.15 of the Intellectual Property Security Agreement, the New Grantor by its signature below becomes a Grantor under the Intellectual Property Security Agreement with the same force and effect as if originally named therein as a Grantor and the New Grantor hereby agrees to all the terms and provisions of the Intellectual Property Security Agreement applicable to it as a Grantor thereunder. Each reference to a "*Grantor*" in the Intellectual Property Security Agreement shall be deemed to include the New Grantor. The Intellectual Property Security Agreement is hereby incorporated herein by reference.

SECTION 2. The New Grantor represents and warrants to the Secured Parties that this Supplement has been duly authorized, executed and delivered by it and constitutes its legal, valid and binding obligation, enforceable against it in accordance with its terms, subject to the effects of applicable bankruptcy, insolvency or similar laws effecting creditors' rights generally and equitable principles of general applicability.

SECTION 3. This Supplement may be executed in two or more counterparts, each of which shall constitute an original, but all of which, when taken together, shall constitute but one instrument. This Supplement shall become effective when the Collateral Agent shall have received counterparts of this Supplement that, when taken together, bear the signatures of the New Grantor and the Collateral Agent.

SECTION 4. Except as expressly supplemented hereby, the Intellectual Property Security Agreement shall remain in full force and effect.

SECTION 5. THIS SUPPLEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

SECTION 6. In case any one or more of the provisions contained in this Supplement should be held invalid, illegal or unenforceable in any respect, neither party hereto shall be required to comply with such provision for so long as such provision is held to be invalid, illegal or unenforceable, but

[NYCORP3:592479.2:4438D:04/17/98--1:37p]

the validity, legality and enforceability of the remaining provisions contained herein and in the Intellectual Property Security Agreement shall not in any way be affected or impaired. The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 7. All communications and notices hereunder shall be in writing and given as provided in the Credit Agreement. All communications and notices hereunder to the New Grantor shall be given to it at the address set forth under its signature, with a copy to the Borrower.

IN WITNESS WHEREOF, the New Grantor and the Collateral Agent have duly executed this Supplement to the Intellectual Property Security Agreement as of the day and year first above written.

[NAME OF NEW GRANTOR],

by

Name:
Title:
Address:

THE CHASE MANHATTAN BANK, as Collateral Agent,

by

Name:
Title:

KE



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 20, 1998

PTAS



100707708

CRAVATH, SWAINE & MOORE
KAI KRAHMER
825 EIGHTH AVENUE
NEW YORK, NY 10019

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

DOCUMENT ID NO.: 100707708

THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

1. THE SCHEDULE FOR THIS DOCUMENT IS NOT LEGIBLE. I CAN NOT READ IT. PLEASE RETYPE THE SCHEDULE WITH ONLY THE NUMBERS THAT YOU WANT TO APPEAR ON THE RECORDABLE DOCUMENT.

DOROTHY RILEY, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDED
JUL 23 1998
PTAS