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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Microcoating Technologies, Inc. [] Individual(s) [] Association [] General Partnership [] Limited Partnership [X] Corporation-State GA [] Other Additional name(s) of conveying party(ies) attached? [] Yes [X] No 3. Nature of conveyance. [] Assignment [] Merger [X] Security Agreement [] Change of Name [] Other Execution Date: May 23, 2003

2. Name and address of receiving party(ies) Name: Silicon Valley Bank Internal Address: Street: Address: 3003 Tasman Drive City: Santa Clara State: CA Zip: 95054 [] Individual(s) citizenship [] Association [] General Partnership [] Limited Partnership [] Corporation-State [X] Other Bank 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 [X] No

4. Application number(s) or registration number(s): A. Trademark Application No.(s) 76/335536 B. Trademark Registration No.(s) 2579411 Additional number(s) attached [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Michael D. Hobbs, Jr., Esq. Internal Address: Troutman Sanders LLP Bank of America Plaza Suite 5200 Street Address: 600 Peachtree Street NE City: Atlanta State: GA Zip: 30308

6. Total number of applications and registrations involved..... 02 7. Total fee (37 CFR 3.41)..... \$ 65.00 [] Enclosed [X] Authorized to be charged to deposit account 8. Deposit account number 20-1507 (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. Michael D. Hobbs, Jr. [Signature] 6/6/03 [Date] Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document 44

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments, Washington, D.C. 20231

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of May 23, 2003 by and between SILICON VALLEY BANK ("Bank") and MICROCOATING TECHNOLOGIES, INC. ("Grantor").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated November 27, 2002 (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein and not otherwise defined shall have the meanings ascribed to such terms in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works to secure the obligations of Grantor under the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents, Patent License Agreements, Trademarks, and Mask Works listed on Exhibits A, B1, B2, B3, B4, B5, B6, C and D attached hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity.

Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies. Grantor agrees that Bank shall be authorized to file financing statements, with all appropriate jurisdictions, without notice to Grantor, as Bank deems appropriate, in order to perfect or protect Bank's interest in the Intellectual Property Collateral.

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers as of the first date written above.

GRANTOR:

MICROCOATING TECHNOLOGIES,
INC.

By: da smith
Name: DAVID A. SMITH
Title: CFO

BANK:

SILICON VALLEY BANK

By: _____
Name: _____
Title: _____

Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies. Grantor agrees that Bank shall be authorized to file financing statements, with all appropriate jurisdictions, without notice to Grantor, as Bank deems appropriate, in order to perfect or protect Bank's interest in the Intellectual Property Collateral.

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers as of the first date written above.

GRANTOR:

MICROCOATING TECHNOLOGIES,
INC.

By: _____
Name: _____
Title: _____

BANK:

SILICON VALLEY BANK

By: Laura M Scott
Name: Laura M Scott
Title: Senior Vice President

EXHIBIT A

COPYRIGHTS

None

TRADEMARK
REEL: 002664 FRAME: 0959

EXHIBIT B1

ISSUED PATENTS OWNED BY MCT

Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Patent #: 5,997,956	Country: U.S.
Government Contract (see below)	Issue date: 12/7/1999	Status: Issued, Expires 8/2/16
Licensee(s): Shipley, Ballard		
Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Patent #: 6,132,653	Country: U.S.
Government Contract (see below)	Issue date: 10/17/2000	Status: Issued, Expires 8/2/16
Licensee(s): Shipley, Ballard		
Title: PRECURSOR SOLUTION COMPOSITIONS FOR ELECTRONIC DEVICES USING CCVD	Patent #: 6,193,911	Country: U.S.
Government Contract (see below)	Issue date: 2/27/2001	Status: Issued, Expires 4/29/2018
Licensee(s): Shipley		
Title: FORMATION OF THIN FILM CAPACITORS	Patent #: 6,207,522	Country: U.S.
Government Contract (see below)	Issue date: 3/27/2001	Status: Issued, Expires 11/23/2018
Licensee(s): Shipley		
Title: RESISTORS FOR ELECTRONIC PACKAGING	Patent #: 6,208,234	Country: U.S.
Government Contract (see below)	Issue date: 3/27/2001	Status: Issued, Expires 4/29/2018
Licensee(s): Shipley		
Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS	Patent #: 6,212,076	Country: U.S.
Government Contract (see below)	Issue date: 4/3/2001	Status: Issued, Expires 10/27/2019
Licensee(s): Shipley		
Title: CORROSION-RESISTANT MULTILAYER COATING	Patent #: 6,214,473	Country: U.S.

Issue date: 4/10/2001 **Status:** Issued, Expires 5/13/2018

Licensee(s):

Government Contract (see below)

Title: FORMATION OF THIN FILM CAPACITORS

Patent #: 6,270,835 **Country:** U.S.

Issue date: 8/7/2001 **Status:** Issued, Expires 11/23/18

Licensee(s): Shipley

Government Contract (see below)

Title: SYSTEMS AND METHODS FOR DELIVERING ATOMIZED FLUIDS

Patent #: 6,276,347 **Country:** U.S.

Issue date: 8/21/2001 **Status:** Issued, Expires 9/25/18

Licensee(s):

Government Contract (see below)

Title: FORMATION OF THIN FILM CAPACITORS

Patent #: 144618 **Country:** Taiwan

Issue date: 10/21/2001 **Status:** Issued, Expires 11/23/18

Licensee(s): Shipley

Government Contract (see below)

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Patent #: 0322784 **Country:** South Korea

Issue date: 1/18/2002 **Status:** Issued, Expires 4/29/18

Licensee(s): Shipley

Government Contract (see below)

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Patent #: 6,368,665 **Country:** U.S.

Issue date: 4/9/2002 **Status:** Issued, Expires 4/29/18

Licensee(s): Shipley

Government Contract (see below)

Title: NANOSTRUCTURE COATINGS

Patent #: 6,372,364 **Country:** U.S.

Issue date: 4/16/2002 **Status:** Issued, Expires 8/18/19

Licensee(s):

Government Contract (see below)

Title: SYSTEMS AND METHODS FOR DELIVERING ATOMIZED FLUIDS

Patent #: 6,390,076 **Country:** U.S.

Issue date: 5/21/2002 Status: Issued, Expires 9/25/18

Government Contract (see below) Licensee(s):

Patent #: 6,396,387 Country: U.S.

Title: RESISTORS FOR ELECTRONIC PACKAGING

Issue date: 5/28/2002 Status: Issued, Expires 4/29/18

Government Contract (see below) Licensee(s): Shipley

Patent #: 6,403,245 Country: U.S.

Title: MATERIALS AND PROCESSES FOR PROVIDING FUEL CELLS AND ACTIVE MEMBRANES

Issue date: 6/11/2002 Status: Issued, Expires 5/21/19

Government Contract (see below) Licensee(s): Ballard

Patent #: 6,416,870 Country: U.S.

Title: CORROSION RESISTANT MULTI-LAYER COATINGS

Issue date: 7/9/2002 Status: Issued, Expires 5/13/18

Government Contract (see below) Licensee(s):

Patent #: 7,459,998 Country: Australia

Title: CORROSION-RESISTANT MULTILAYER COATING

Issue date: 7/25/2002 Status: Issued, Expires 5/13/18

Government Contract (see below) Licensee(s):

Patent #: 6,433,993 Country: U.S.

Title: FORMATION OF THIN FILM CAPACITORS

Issue date: 8/13/2002 Status: Issued, Expires 11/23/18

Government Contract (see below) Licensee(s): Shipley

Patent #: 9,568,65 Country: Israel

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Issue date: 10/9/2002 Status: Issued
Shipley

Government Contract (see below) Licensee(s):

EXHIBIT B2

ISSUED PATENTS OWNED BY GEORGIA TECH RESEARCH CORP. AND EXCLUSIVELY LICENSED BY MCT

Title: OPTICAL SENSING APPARATUS AND METHOD	Patent #: 4,940,328	Country: U.S.
Government Contract Licensee(s)	Issue date: 7/10/1990	Status: Issued, Expires 11/4/08
Title: OPTICAL SENSING APPARATUS AND METHOD	Patent #: 2,902,353	Country: Canada
Government Contract Licensee(s)	Issue date: 1/17/1995	Status: Issued, Expires 11/4/08
Title: OPTICAL SENSING APPARATUS AND METHOD	Patent #: 2041773	Country: Japan
Government Contract Licensee(s)	Issue date: 4/29/1996	Status: Issued, Expires 11/4/08
Title: OPTICAL SENSING APPARATUS AND METHOD	Patent #: 0,441,898	Country: Europe
Government Contract Licensee(s)	Issue date: 1/8/1997	Status: Issued, Expires 11/4/08
Title: INTEGRATED OPTIC INTERFEROMETRIC SENSOR	Patent #: 5,623,561	Country: U.S.
Government Contract Licensee(s)	Issue date: 4/22/1997	Status: Issued, Expires 9/29/15
Title: METHODS AND APPARATUS FOR THE COMBUSTION CHEMICAL VAPOR DEPOSITION OF FILMS AND COATINGS	Patent #: 5,652,021	Country: U.S.

**TRADEMARK
REEL: 002664 FRAME: 0963**

Issue date: 7/29/1997 Status: Issued, Expires 7/29/2014

Government Contract Licensee(s) Shipley, Ballard

Title: COMBUSTION CHEMICAL VAPOR DEPOSITION OF PHOSPHATE FILMS AND COATINGS

Patent #: 5,858,465 Country: U.S.

Issue date: 1/12/1999 Status: Issued, Expires 3/24/2013

Government Contract Licensee(s) Shipley

Title: METHOD FOR THE COMBUSTION CHEMICAL VAPOR DEPOSITION OF FILMS AND COATINGS

Patent #: 5,863,604 Country: U.S.

Issue date: 1/26/1999 Status: Issued, Expires 3/24/2013

Government Contract Licensee(s) Shipley, Ballard

Title: METHOD FOR THE COMBUSTION CHEMICAL VAPOR DEPOSITION OF FILMS AND COATINGS

Patent #: 6,013,318 Country: U.S.

Issue date: 1/11/2000 Status: Issued, Expires 3/24/2013

Government Contract Licensee(s) Shipley, Ballard

Title: CERAMIC COMPOSITIONS FOR MICROWAVE COMMUNICATIONS

Patent #: 6,034,915 Country: U.S.

Issue date: 3/7/2000 Status: Issued, Expires 5/14/2018

Government Contract Licensee(s)

Title: METHODS AND APPARATUS FOR THE COMBUSTION CHEMICAL VAPOR DEPOSITION OF FILMS AND COATINGS

Patent #: 2,158,568 Country: Canada

Issue date: 12/4/2001 Status: Issued, Expires 3/24/13

Government Contract Licensee(s) Shipley, Ballard

Title: METHODS AND APPARATUS FOR THE COMBUSTION CHEMICAL VAPOR DEPOSITION OF FILMS AND COATINGS

Patent #: 323216 Country: South Korea

Issue date: 1/22/2002 Status: Issued, Expires 3/24/13

Government Contract Licensee(s) Shipley, Ballard

Title: INTEGRATED OPTIC INTERFEROMETRIC SENSOR

Patent #: 0 852 715 Country: Europe

Issue date: 5/2/2002 Status: Issued, Expires 9/29/15

Government Contract Licensee(s)

Title: COMBUSTION CHEMICAL VAPOR DEPOSITION OF PHOSPHATE FILMS AND COATINGS

Patent #: 745098 Country: Australia

Issue date: 6/27/2002 Status: Issued, Expires 3/24/13

Government Contract Licensee(s) Shipley

Title: TRANSVERSE INTEGRATED OPTIC INTERFEROMETER

Patent #: 6,545,759 Country: U.S

Issue date: 4/8/2003 Status: Issued, expires 11/30/19

Government Contract Licensee(s)

Exhibit B3

PATENT APPLICATIONS OWNED BY MCT

Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Application #: JP 9-508559	Country: Japan
Government Contract	Date filed: 8/2/1996	Status: Filed
Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Application #: 96-928-045.2	Country: Europe
Government Contract	Date filed: 8/2/1996	Status: Filed
Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Application #: 1998-700815	Country: South Korea
Government Contract	Date filed: 8/2/1996	Status: Filed
Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Application #: 980986	Country: Mexico
Government Contract	Date filed: 8/2/1996	Status: Filed
Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Application #: P196100699	Country: Brazil
Government Contract	Date filed: 8/2/1996	Status: Filed
Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION	Application #: 88104056	Country: Taiwan
	Date filed: 3/16/1999	Status: Allowed

Government Contract Licensee(s): Shipley

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Application #: 455/DEL/99 Country: India
Date filed: 3/22/1999 Status: Filed

Government Contract Licensee(s): Shipley

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Application #: 95016552 Country: Singapore
Date filed: 4/7/1999 Status: Allowed

Government Contract Licensee(s): Shipley

Title: PRECURSOR SOLUTION COMPOSITIONS FOR ELECTRONIC DEVICES USING CCVD

Application #: 09291,252 Country: U S
Date filed: 4/13/1999 Status: Filed

Government Contract Licensee(s): Shipley

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Application #: 993646 Country: Mexico
Date filed: 4/20/1999 Status: Filed

Government Contract Licensee(s): Shipley

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Application #: 2,769,862 Country: Canada
Date filed: 4/26/1999 Status: Allowed 1/6/03

Government Contract Licensee(s): Shipley

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION

Application #: 99012871 Country: Brazil
Date filed: 4/27/1999 Status: Filed

Government Contract Licensee(s): Shipley

Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION	Application #: 001041964	Country: Hong Kong
Government Contract	Date filed: 4/29/1999	Status: Filed
Licensee(s): Shipley	Application #: 99053850	Country: China
Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION	Date filed: 4/29/1999	Status: Filed
Government Contract	Application #: 99033373	Country: Europe
Licensee(s): Shipley	Date filed: 4/29/1999	Status: Filed
Title: APPARATUS AND PROCESS FOR CONTROLLED ATMOSPHERE CHEMICAL VAPOR DEPOSITION	Application #: 11124905	Country: Japan
Government Contract	Date filed: 4/30/1999	Status: Filed
Licensee(s): Shipley	Application #: 2296505	Country: Canada
Title: CORROSION-RESISTANT MULTILAYER COATING	Date filed: 5/13/1999	Status: Filed
Government Contract	Application #: EP 99952953.0	Country: Europe
Licensee(s):	Date filed: 9/23/1999	Status: Filed
Title: SYSTEMS AND METHODS FOR DELIVERING ATOMIZED FLUIDS	Application #: 2285239	Country: Canada
Government Contract		
Licensee(s):		
Title: FORMATION OF THIN FILM CAPACITORS		

Date filed: 11/10/1999 **Status:** Filed

Application #: 132834 **Country:** Israel

Date filed: 11/10/1999 **Status:** Filed

Application #: 00407629-4 **Country:** Hong Kong

Date filed: 11/17/1999 **Status:** Filed

Application #: 10-1999-0051164 **Country:** South Korea

Date filed: 11/17/1999 **Status:** Filed

Application #: 99309146-1 **Country:** Europe

Date filed: 11/17/1999 **Status:** Filed

Application #: 991244885 **Country:** China

Date filed: 11/23/1999 **Status:** Filed

Application #: 99333500 **Country:** Japan

Date filed: 11/24/1999 **Status:** Filed

Government Contract Licensee(s): Shipley

Title: FORMATION OF THIN FILM CAPACITORS

Government Contract Licensee(s): Shipley

Title: FORMATION OF THIN FILM CAPACITORS

Government Contract Licensee(s): Shipley

Title: FORMATION OF THIN FILM CAPACITORS

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Title: FORMATION OF THIN FILM CAPACITORS

Government Contract Licensee(s): Shipley

Title: FORMATION OF THIN FILM CAPACITORS

Government Contract Licensee(s): Shipley

Title: CORROSION-RESISTANT MULTILAYER COATING

Government Contract Licensee(s):
Application #: 99 923 038 6 Country: Europe
Date filed: 1/13/2000 Status: Filed

Title: CORROSION-RESISTANT MULTILAYER COATING

Government Contract Licensee(s):
Application #: 2080-548522 Country: Japan
Date filed: 1/13/2000 Status: Filed

Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS

Government Contract Licensee(s): Shipley
Application #: 00809340 8 Country: Europe
Date filed: 10/24/2080 Status: Filed

Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS

Government Contract Licensee(s): Shipley
Application #: 10-2000-0063292 Country: South Korea
Date filed: 10/27/2000 Status: Filed

Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS

Government Contract Licensee(s): Shipley
Application #: 39569/2000 Country: Japan
Date filed: 10/27/2000 Status: Filed

Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS

Government Contract Licensee(s): Shipley
Application #: 89122645 Country: Taiwan
Date filed: 10/27/2000 Status: Filed

Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS

Government Contract Licensee(s): Shipley
Application #: 00137023.5 Country: China

TRADEMARK

REEL: 002664 FRAME: 0970

Date filed: 10/27/2000 **Status:** Filed

Application #: 200006502-9 **Country:** Singapore

Date filed: 10/27/2000 **Status:** Filed

Application #: 09723,605--2748 **Country:** U.S.

Date filed: 11/22/2000 **Status:** Filed

Application #: 09733,815 **Country:** U.S.

Date filed: 12/9/2000 **Status:** Filed

Application #: 09748,714--4539 **Country:** U.S.

Date filed: 12/21/2000 **Status:** Filed

Application #: 200203931-1 **Country:** Singapore

Date filed: 12/21/2000 **Status:** Filed

Application #: 00 990 367.5 **Country:** Europe

Date filed: 12/21/2000 **Status:** Filed

Government Contract Licensee(s): Shipley

Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS

Government Contract Licensee(s): Shipley

Title: RESISTORS FOR ELECTRONIC PACKAGING

Government Contract Licensee(s): Shipley

Title: FORMATION OF THIN FILM CAPACITORS

Government Contract Licensee(s): Shipley

Title: CHEMICAL VAPOR DEPOSITION METHODS FOR MAKING POWDERS AND COATINGS, AND COATINGS MADE USING THESE METHODS

Government Contract Licensee(s): Shipley, Ballard

Title: CHEMICAL VAPOR DEPOSITION METHOD AND COATINGS PRODUCED THEREFROM

Government Contract Licensee(s): Shipley, Ballard

Title: CHEMICAL VAPOR DEPOSITION METHODS FOR MAKING POWDERS AND COATINGS, AND COATINGS MADE USING THESE METHODS

TRADEMARK

REEL: 002664 FRAME: 0971

Government Contract Licensee(s): Shipley, Ballard

Title: NANOLAMINATED THIN FILM CIRCUITRY MATERIALS

Application #: 09781,462 Country: U S
Date filed: 2/12/2001 Status: Allowed

Government Contract Licensee(s): Shipley

Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL FLUID SOLUTIONS

Application #: 09897,157 - 2868 Country: U S
Date filed: 7/3/2001 Status: Filed

Government Contract Licensee(s): Shipley, Ballard

Title: EPITAXIAL THIN FILMS

Application #: 2,359,710 Country: Canada
Date filed: 7/9/2001 Status: Filed

Government Contract Licensee(s):

Title: EPITAXIAL THIN FILMS

Application #: 09889,237 - 8868 Country: U.S
Date filed: 7/11/2001 Status: Filed

Government Contract Licensee(s):

Title: EPITAXIAL THIN FILMS

Application #: 00804586 0 Country: China
Date filed: 7/11/2001 Status: Filed

Government Contract Licensee(s):

Title: EPITAXIAL THIN FILMS

Application #: 2000-594127 Country: Japan
Date filed: 7/12/2001 Status: Filed

Government Contract Licensee(s):

Title: EPITAXIAL THIN FILMS	Application #: INPCT/2001/0062	Country: India
Government Contract Licensee(s):	Date filed: 7/12/2001	Status: Filed
Title: REDUCED GRAIN BOUNDARY CRYSTALLINE THIN FILMS	Application #: 90117374	Country: Taiwan
Government Contract Licensee(s):	Date filed: 7/16/2001	Status: Filed
Title: ELECTRONIC AND OPTICAL MATERIALS	Application #: 90119036	Country: Taiwan
Government Contract Licensee(s):	Date filed: 8/3/2001	Status: Filed
Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION USING THERMAL SPRAY WITH NEAR SUPERCRITICAL AND SUPERCRITICAL FLUID SOLUTIONS	Application #: 09921,437-8003	Country: U.S.
Government Contract Licensee(s): Shipley, Ballard	Date filed: 8/3/2001	Status: Filed
Title: EPITAXIAL THIN FILMS	Application #: 2001122592	Country: Russia
Government Contract Licensee(s):	Date filed: 8/10/2001	Status: Filed
Title: EPITAXIAL THIN FILMS	Application #: 41656,003	Country: Australia
Government Contract Licensee(s):	Date filed: 8/12/2001	Status: Filed
Title: EPITAXIAL THIN FILMS	Application #: 00 921 311 7	Country: Europe

Date filed: 8/12/2001 **Status:** Filed

Application #: 90121036 **Country:** Taiwan

Date filed: 8/29/2001 **Status:** Filed

Application #: PCT/US01/30282 **Country:** International

Date filed: 9/27/2001 **Status:** Filed

Application #: 90124425 **Country:** Taiwan

Date filed: 10/3/2001 **Status:** Allowed

Application #: PCT/US01/48581 **Country:** International

Date filed: 10/26/2001 **Status:** Filed

Application #: 2,371,428 **Country:** Canada

Date filed: 11/19/2001 **Status:** Filed

Application #: 2003-620687 **Country:** Japan

Government Contract Licensee(s):

Title: ELECTRONIC AND OPTICAL DEVICES AND METHODS OF FORMING THESE DEVICES

Government Contract Licensee(s):

Title: OPTICAL WAVEGUIDES AND INTEGRATED OPTICAL SUBSYSTEMS ON-A-CHIP

Government Contract Licensee(s):

Title: OPTICAL WAVEGUIDES AND INTEGRATED OPTICAL SUBSYSTEMS ON-A-CHIP

Government Contract Licensee(s):

Title: FUEL CELL HAVING IMPROVED CATALYTIC LAYER

Government Contract Licensee(s): Ballard

Title: MATERIALS AND PROCESSES FOR PROVIDING FUEL CELLS AND ACTIVE MEMBRANES

Government Contract Licensee(s): Ballard

Title: MATERIALS AND PROCESSES FOR PROVIDING FUEL CELLS AND ACTIVE MEMBRANES

Date filed: 11/21/2001 **Status:** Filed

Application #: PA/02/001/011968 **Country:** Mexico

Date filed: 11/21/2001 **Status:** Filed

Application #: 11/21/2001 **Status:** Filed **Country:** India

Date filed: 11/21/2001 **Status:** Filed

Application #: 00936152.8-2119- **Country:** Europe

Date filed: 11/21/2001 **Status:** Filed

Application #: 00943355.8 **Country:** Europe

Date filed: 11/29/2001 **Status:** Filed

Application #: 51513/00 **Country:** Australia

Date filed: 12/21/2001 **Status:** Filed

Application #: PCT/AUS01/49559 **Country:** International

Date filed: 12/21/2001 **Status:** Filed

Government Contract Licensee(s): Ballard

Title: MATERIALS AND PROCESSES FOR PROVIDING FUEL CELLS AND ACTIVE MEMBRANES

Government Contract Licensee(s): Ballard

Title: MATERIALS AND PROCESSES FOR PROVIDING FUEL CELLS AND ACTIVE MEMBRANES

Government Contract Licensee(s): Ballard

Title: MATERIALS AND PROCESSES FOR PROVIDING FUEL CELLS AND ACTIVE MEMBRANES

Government Contract Licensee(s): Ballard

Title: METHOD OF COATING CERAMICS USING CCVD

Government Contract Licensee(s):

Title: MATERIALS AND PROCESSES FOR PROVIDING FUEL CELLS AND ACTIVE MEMBRANES

Government Contract Licensee(s): Ballard

Title: CHEMICAL VAPOR DEPOSITION DEVICES AND METHODS

Government Contract Licensee(s):

Title: METHOD OF COATING CERAMICS USING CCVD

Application #: 10039,446 **Country:** U.S.

Date filed: 1/2/2002 **Status:** Filed

Government Contract Licensee(s):

Title: NANOSTRUCTURE COATINGS

Application #: IN/PCT/2002, **Country:** India

Date filed: 2/14/2002 **Status:** Filed

Government Contract Licensee(s):

Title: NANOSTRUCTURE COATINGS

Application #: 200200884-5 **Country:** Singapore

Date filed: 2/15/2002 **Status:** Filed

Government Contract Licensee(s):

Title: NANOSTRUCTURE COATINGS

Application #: P1001 3378-7 **Country:** Brazil

Date filed: 2/18/2002 **Status:** Filed

Government Contract Licensee(s):

Title: NANOSTRUCTURE COATINGS

Application #: EP00955757 0 **Country:** Europe

Date filed: 2/18/2002 **Status:** Filed

Government Contract Licensee(s):

Title: LIQUID ATOMIZATION METHODS AND DEVICES

Application #: 200201422-3 **Country:** Singapore

Date filed: 3/12/2002 **Status:** Filed

Government Contract Licensee(s): Shipley, Ballard

TRADEMARK

REEL: 002664 FRAME: 0976

Title: LIQUID ATOMIZATION METHOD AND DEVICES
Application #: 10/070,958 - 4878
Country: U.S.
Date filed: 3/12/2002
Status: Allowed

Government Contract Licensee(s): Shipley, Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES
Application #: PA/02/002/002780
Country: Mexico
Date filed: 3/14/2002
Status: Filed

Government Contract Licensee(s): Shipley Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES
Application #: 2001-524736
Country: Japan
Date filed: 3/20/2002
Status: Filed

Government Contract Licensee(s): Shipley, Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES
Application #: PI001 4185-2
Country: Brazil
Date filed: 3/21/2002
Status: Filed

Government Contract Licensee(s): Shipley, Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES
Application #: 2385,324
Country: Canada
Date filed: 3/22/2002
Status: Filed

Government Contract Licensee(s): Shipley, Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES
Application #: 00968397 0
Country: Europe
Date filed: 3/22/2002
Status: Filed

Government Contract Licensee(s): Shipley, Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES
Application #: IN/PCT/2002,
Country: India

Date Filed: 3/22/2002 **Status:** Filed

Application #: 148743 **Country:** Israel

Date Filed: 3/22/2002 **Status:** Filed

Application #: PCT/US02/11133 **Country:** International

Date filed: 4/9/2002 **Status:** Chapter II filed

Application #: 10111,684 - 5880 **Country:** U.S.

Date filed: 4/17/2002 **Status:** Filed

Application #: 10111,696 - 4564 **Country:** U.S.

Date filed: 4/17/2002 **Status:** Filed

Application #: 7832200 **Country:** Australia

Date Filed: 4/18/2002 **Status:** Filed, Exam Requested

Application #: 2002110464 **Country:** Russia

Date filed: 4/19/2002 **Status:** Filed

Government Contract Licensee(s): Shipley, Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES

Government Contract Licensee(s): Shipley, Ballard

Title: VARIABLE CAPACITORS, COMPOSITE MATERIALS

Government Contract Licensee(s):

Title: METHOD OF DEPOSITING MATERIALS

Government Contract Licensee(s):

Title: PROCESSING LINE HAVING MEANS TO MONITOR CRYSTALLOGRAPHIC ORIENTATION

Government Contract Licensee(s):

Title: LIQUID ATOMIZATION METHODS AND DEVICES

Government Contract Licensee(s): Shipley, Ballard

Title: LIQUID ATOMIZATION METHODS AND DEVICES

Government Contract Licensee(s): Shipley, Ballard

Title: CAPACITOR WITH IMPROVED ELECTRODE STRUCTURE

Application #: PCT/US02/14861 **Country:** International

Date filed: 5/9/2002 **Status:** Allowed

Government Contract Licensee(s):

Title: VARIABLE DIRECTION RESISTIVE MATERIAL

Application #: 100150,479 **Country:** U.S

Date filed: 5/17/2002 **Status:** Filed

Government Contract Licensee(s): Shipley

Title: TRANSVERSE INTEGRATED OPTIC INTERFEROMETER

Application #: 2,393,076 **Country:** Canada

Date filed: 5/29/2002 **Status:** Filed

Government Contract Licensee(s):

Title: TRANSVERSE INTEGRATED OPTIC INTERFEROMETER

Application #: 00 992 553.8 **Country:** Europe

Date filed: 5/30/2002 **Status:** Filed

Government Contract Licensee(s):

Title: BARRIER COATING, METHOD OF FORMATION

Application #: 60384,991 1966 **Country:** U.S. Provisional

Date filed: 5/31/2002 **Status:** Filed

Government Contract Licensee(s):

Title: CHEMICAL VAPOR DEPOSITION METHODS FOR MAKING POWDERS AND COATINGS, AND COATINGS MADE USING THESE METHODS

Application #: 2,393,531 **Country:** Canada

Date filed: 6/3/2002 **Status:** Filed

Government Contract Licensee(s): Shipley, Ballard

Title: BARRIER COATINGS

Application #: 60,389,406 - 4127 **Country:** U.S. Provisional

Date filed: 6/17/2002 **Status:** Filed

TRADEMARK

REEL: 002664 FRAME: 0979

Government Contract Licensee(s):

Title: METHOD FOR THERMAL MANAGEMENT OF INTERNAL COMBUSTION ENGINES

Application #: PCT/US02/19038 **Country:** International

Date filed: 6/17/2002 **Status:** Filed, No Chapter II

Government Contract Licensee(s):

Title: CHEMICAL VAPOR DEPOSITION METHODS FOR MAKING POWDERS AND COATINGS, AND COATINGS MADE USING THESE METHODS

Application #: IN/PCT/2002/0073 **Country:** India

Date filed: 6/29/2002 **Status:** Filed

Government Contract Licensee(s): Shipley, Ballard

Title: CHEMICAL VAPOR DEPOSITION METHODS FOR MAKING POWDERS AND COATINGS, AND COATINGS MADE USING THESE METHODS

Application #: P10016782-7 **Country:** Brazil

Date filed: 6/29/2002 **Status:** Filed

Government Contract Licensee(s): Shipley, Ballard

Title: TELECOMMUNICATIONS CIRCUITRY

Application #: 60394,494 - 6460 **Country:** U.S. Provisional

Date filed: 7/9/2002 **Status:** Filed

Government Contract Licensee(s):

Title: MULTI-BAND TRANSCEIVER

Application #: 60396,864 - 3385 **Country:** U.S. Provisional

Date filed: 7/18/2002 **Status:** Filed

Government Contract Licensee(s):

Title: SELECTIVE AREA DEPOSITION OF CIRCUITRY LAYERS

Application #: 60399,067 **Country:** U.S. Provisional

Date filed: 7/26/2002 **Status:** Filed

Government Contract Licensee(s):

Title: CHEMICAL VAPOR DEPOSITION METHODS FOR MAKING POWDERS AND COATINGS, AND COATINGS MADE USING THESE METHODS

Application #: 27402401 Country: Australia

Date filed: 7/29/2002 Status: Filed

Government Contract Licensee(s): Shipley, Ballard

Title: INTEGRATED-OPTIC-CROSS-CONNECT SWITCH

Application #: 60399,748 Country: U.S. Provisional

Date filed: 7/30/2002 Status: Filed

Government Contract Licensee(s):

Title: OPTICAL/RF HYBRID CIRCUIT

Application #: 60401,288 Country: U.S. Provisional

Date filed: 8/6/2002 Status: Filed

Government Contract Licensee(s):

Title: POLYMER-TETHERED NANOPARTICULATES

Application #: 60401,249 Country: U.S. Provisional

Date filed: 8/6/2002 Status: Filed

Government Contract Licensee(s):

Title: CHEMICAL VAPOR DEPOSITION AND POWDER FORMATION DEVICES, METHODS AND PRODUCTS

Application #: 60406,070 Country: U.S. Provisional

Date filed: 8/27/2002 Status:

Government Contract Licensee(s):

Title: CONFINED CHEMICAL REACTIONS

Application #: 60406,114 Country: U.S. Provisional

Date filed: 8/27/2002 Status: Filed

Government Contract Licensee(s):

Title: COMPRESSED GAS SOLUTIONS AND USES

Application #: 60/416,781 **Country:** U.S. Provisional

Date filed: 10/10/2002 **Status:** Filed

Government Contract Licensee(s):

Title: RESISTIVE MATERIAL

Application #: **Country:** U.S.

Date filed: 10/18/2002 **Status:** Filed

Government Contract Licensee(s):

Title: TUNABLE CAPACITORS USING FLUID DIELECTRICS

Application #: PCT/US02/33328 **Country:** International

Date filed: 10/18/2002 **Status:** Filed

Government Contract Licensee(s):

Title: CARBONACEOUS MATERIALS

Application #: 60/425,236 **Country:** U.S. Provisional

Date filed: 11/12/2002 **Status:** Filed

Government Contract Licensee(s):

Title: BARRIER COATING, METHOD OF FORMATION

Application #: 60/429,529 **Country:** U.S. Provisional

Date filed: 11/27/2002 **Status:** Filed

Government Contract Licensee(s):

Title: NEUROLOGICAL METHODS AND DEVICES

Application #: 60/430,636 **Country:** U.S. Provisional

Date filed: 12/3/2002 **Status:** Filed

Government Contract Licensee(s):

Title: LIQUID ATOMIZATION METHODS AND DEVICES

Application #: **Country:** Hong Kong

Date filed: 12/17/2002 **Status:** Filed

Application #: 16311,785 **Country:** U.S

Date filed: 12/18/2002 **Status:** Filed

Application #: IN/PCT/2002, **Country:** India

Date filed: 12/24/2002 **Status:** Filed

Application #: IN/PCT/2002, **Country:** India

Date filed: 12/24/2002 **Status:** Filed

Application #: **Country:** China

Date filed: 12/30/2002 **Status:** Advised Associate to File

Application #: 03100112-0 **Country:** Hong Kong

Date filed: 12/30/2002 **Status:** Filed

Application #: 60438,956 **Country:** U.S. Provisional

Date filed: 1/9/2003 **Status:** Filed

Government Contract Licensee(s): Shipley, Ballard

Title: POLYMER COATINGS

Government Contract Licensee(s): Shipley, Ballard

Title: POLYMER COATINGS

Government Contract Licensee(s): Shipley, Ballard

Title: METHOD OF DEPOSITING MATERIALS

Government Contract Licensee(s): Ballard

Title: POLYMER COATINGS

Government Contract Licensee(s): Shipley, Ballard

Title: NANOSTRUCTURE COATINGS

Government Contract Licensee(s):

Title: INTEGRATED OPTIC CHIP BIOSENSORS

Government Contract Licensee(s):

Title: REDUCED GRAIN BOUNDARY CRYSTALLINE THIN FILMS
Application #: 2003001 12-0 **Country:** Singapore
Date filed: 1/10/2003 **Status:** Filed

Government Contract Licensee(s):

Title: REDUCED GRAIN BOUNDARY CRYSTALLINE THIN FILMS
Application #: 100332,866 **Country:** U.S.
Date filed: 1/13/2003 **Status:** Filed

Government Contract Licensee(s):

Title: REDUCED GRAIN BOUNDARY CRYSTALLINE THIN FILMS
Application #: 57AMUMNP/2003 **Country:** India
Date filed: 1/14/2003 **Status:** Filed

Government Contract Licensee(s):

Title: REDUCED GRAIN BOUNDARY CRYSTALLINE THIN FILMS
Application #: P101255052 **Country:** Brazil
Date filed: 1/14/2003 **Status:** Filed

Government Contract Licensee(s):

Title: SELECTIVE AREA DEPOSITION AND DEVICES FORMED THEREFROM
Application #: 10341,883 **Country:** U.S.
Date filed: 1/14/2003 **Status:** Filed

Government Contract Licensee(s):

Title: ELECTRONIC AND OPTICAL MATERIALS
Application #: 10019,082 **Country:** U.S.
Date filed: 1/27/2003 **Status:** Filed

Government Contract Licensee(s):

Title: METHOD OF DEPOSITING MATERIALS
Application #: 01948815.4 **Country:** Europe
Date filed: 1/30/2003 **Status:** Advised Associate In File

TRADEMARK

REEL: 002664 FRAME: 0984

Government Contract Licensee(s): Ballard

Title: POLYMER COATINGS
Application #: 01950670 & Country: Europe
Date filed: 1/30/2003 Status: Advised Associate to File

Government Contract Licensee(s): Stupley, Ballard

Title: ELECTRONIC AND OPTICAL MATERIALS
Application #: 166/MUMNP/2003 Country: India
Date filed: 2/3/2003 Status: Filed

Government Contract Licensee(s):

Title: ELECTRONIC AND OPTICAL MATERIALS
Application #: 01963804 8 Country: Europe
Date filed: 2/12/2003 Status: Filed

Government Contract Licensee(s):

Title: REDUCED GRAIN BOUNDARY CRYSTALLINE THIN FILMS
Application #: Country: Europe
Date filed: 2/14/2003 Status: Filed

Government Contract Licensee(s):

Title: ELECTRONIC AND OPTICAL DEVICES AND METHODS OF FORMING THESE DEVICES
Application #: 217MUMNP/2003 Country: India
Date filed: 2/18/2003 Status: Filed

Government Contract Licensee(s):

Title: ELECTRONIC AND OPTICAL DEVICES AND METHODS OF FORMING THESE DEVICES
Application #: 10362,435 Country: U.S.
Date filed: 2/20/2003 Status: Filed

Government Contract Licensee(s):

Title: NARROW DIAMETER NEEDLE HAVING REDUCED INNER DIAMETER TIP

Government Contract Licensee(s)

Application #: Country: U.S.

Date filed: 2/21/2003 Status: Filed

Title: ELECTRONIC AND OPTICAL DEVICES AND METHODS OF FORMING THESE DEVICES

Government Contract Licensee(s)

Application #: Country: Singapore

Date filed: 2/24/2003 Status: Filed

Title: FUEL CELL MEMBRANES AND CATALYTIC LAYERS

Government Contract Licensee(s)

Application #: Country: International

Date filed: 2/28/2003 Status: Filed

Title: ELECTRONIC AND OPTICAL DEVICES AND METHODS OF FORMING THESE DEVICES

Government Contract Licensee(s)

Application #: Country: Europe

Date filed: 3/10/2003 Status: Advised associate to File

Title: NARROW DIAMETER NEEDLE HAVING REDUCED INNER DIAMETER TIP

Government Contract Licensee(s)

Application #: Country: Europe

Date filed: 3/22/2003 Status: Filed

Title: OPTICAL WAVEGUIDES AND INTEGRATED OPTICAL SUBSYSTEMS ON-A-CHIP

Government Contract Licensee(s)

Application #: Country: U.S.

Date filed: 4/4/2003 Status: Filed

Title: OPTICAL WAVEGUIDES AND INTEGRATED OPTICAL SUBSYSTEMS ON-A-CHIP

Government Contract Licensee(s)

Application #: Country: India

Date filed: 4/4/2003 Status: Filed

TRADEMARK

REEL: 002664 FRAME: 0986

Government Contract Licensee(s):

Title: OPTICAL WAVEGUIDES AND INTEGRATED OPTICAL SUBSYSTEMS ON-A-CHIP

Application #: 01977215.1 **Country:** Europe

Date filed: 4/6/2003 **Status:** Filed

Government Contract Licensee(s):

Title: ELECTRONIC AND OPTICAL DEVICES AND METHODS OF FORMING THESE DEVICES

Application #: **Country:** China

Date filed: 4/11/2003 **Status:** Filed

Government Contract Licensee(s):

Title: ELECTROCATALYST-CONTAINING LAYER

Application #: 160421.0W2 **Country:** US

Date filed: 4/23/2003 **Status:** Filed

Government Contract Licensee(s): Ballard

EXHIBIT B4

PATENT APPLICATIONS OWNED BY GEORGIA TECH RESEARCH CORP. AND EXCLUSIVELY LICENSED BY MCT

Title: METHODS AND APPARATUS FOR THE COMBUSTION CHEMICAL VAPOR DEPOSITION OF FILMS AND COATINGS
Application #: JP-6 521369
Country: Japan
Date filed: 3/24/1994
Status: Filed

Government Contract Licensee(s): Shipley, Ballard

Title: METHODS AND APPARATUS FOR THE COMBUSTION CHEMICAL VAPOR DEPOSITION OF FILMS AND COATINGS
Application #: EP 94 911 694.1
Country: Europe
Date filed: 3/24/1994
Status: Allowed

Government Contract Licensee(s): Shipley, Ballard

Title: INTEGRATED OPTIC INTERFEROMETRIC SENSOR
Application #: 2,233,305
Country: Canada
Date filed: 9/27/1996
Status: Filed

Government Contract Licensee(s):

Title: COMBUSTION CHEMICAL VAPOR DEPOSITION OF PHOSPHATE FILMS AND COATINGS
Application #: 2,302,560
Country: Canada
Date filed: 3/23/2000
Status: Filed

Government Contract Licensee(s): Shipley

Title: INTEGRATED OPTIC INTERFEROMETRIC SENSOR
Application #: 01 123 875-5
Country: Europe
Date filed: 5/10/2001
Status: Filed

TRADEMARK

REEL: 002664 FRAME: 0988

Government Contract Licensee(s):

Title: INTEGRATED OPTIC INTERFEROMETRIC SENSOR

Application #: JP 2002-198798 **Country:** Japan

Date filed: 7/8/2002 **Status:** Filed

Government Contract

Licensee(s):

EXHIBIT B5

PATENT APPLICATIONS OWNED BY SHIPLEY AND LICENSED EXCLUSIVELY BY MCT OUTSIDE THE FIELD OF EMBEDDED PASSIVES

Title: METHOD FOR FORMING THIN FILM RESISTORS	Application #:	Country: Hong Kong
Government Contract Licensee(s): MCT	Date filed: 3/22/1999	Status: Filed
Title: METHOD FOR FORMING THIN FILM RESISTORS	Application #: 2,267,492	Country: Canada
Government Contract Licensee(s): MCT	Date filed: 3/29/1999	Status: Filed
Title: METHOD FOR FORMING THIN FILM RESISTORS	Application #: 99/DEL/553	Country: India
Government Contract Licensee(s): MCT	Date filed: 4/8/1999	Status: Filed
Title: METHOD FOR FORMING THIN FILM RESISTORS	Application #: 129493	Country: Israel
Government Contract Licensee(s): MCT	Date filed: 4/18/1999	Status: Filed
Title: METHOD FOR FORMING THIN FILM RESISTORS	Application #: 991700	Country: Mexico
Government Contract Licensee(s): MCT	Date filed: 4/21/1999	Status: Filed
Title: METHOD FOR FORMING THIN FILM RESISTORS	Application #: 99303244 0	Country: Europe
	Date filed: 4/27/1999	Status: Filed

TRADEMARK

REEL: 002664 FRAME: 0990

Government Contract Licensee(s): MCT

Title: METHOD FOR FORMING THIN FILM RESISTORS

Application #: 99013576 Country: Brazil
Date filed: 4/28/1999 Status: Filed

Government Contract Licensee(s): MCT

Title: METHOD FOR FORMING THIN FILM RESISTORS

Application #: 991063589 Country: China
Date filed: 4/29/1999 Status: Filed

Government Contract Licensee(s): MCT

Title: METHOD FOR FORMING THIN FILM RESISTORS

Application #: 11124575 Country: Japan
Date filed: 4/30/1999 Status: Filed

Government Contract Licensee(s): MCT

Title: CONTINUOUS FEED COATER

Application #: 01307874.6-2307 Country: Europe
Date filed: 9/14/2001 Status: Filed

Government Contract Licensee(s): MCT

Title: CONTINUOUS FEED COATER

Application #: 2,317,324 Country: Canada
Date filed: 9/14/2001 Status: Filed

Government Contract Licensee(s): MCT

Title: CONTINUOUS FEED COATER

Application #: 90122820 Country: Taiwan
Date filed: 9/14/2001 Status: Filed

Government Contract Licensee(s): MCT

Title: CONTINUOUS FEED COATER
Application #: 10-2001-0057026
Country: South Korea
Date filed: 9/15/2001
Status: Filed

Government Contract Licensee(s): MCT

Application #: 099952,881
Country: U.S.
Date filed: 9/15/2001
Status: Filed

Government Contract Licensee(s): MCT

Application #: 282258/2001
Country: Japan
Date filed: 9/17/2001
Status: Filed

Government Contract Licensee(s): MCT

Application #:
Country: Europe
Date filed: 7/3/2002
Status: Filed

Government Contract Licensee(s): MCT

Application #:
Country: China
Date filed: 7/3/2002
Status: Filed

Government Contract Licensee(s): MCT

Application #:
Country: Taiwan
Date filed: 7/3/2002
Status: Filed

Government Contract Licensee(s): MCT

Application #:
Country: South Korea
Date filed: 7/3/2002
Status: Filed

Government Contract Licensee(s): MCT

Government Contract Licensee(s): MCT

Title: RESISTIVE MATERIALS Application #: Country: Japan

Date filed: 7/3/2002 Status: Filed

Government Contract Licensee(s): MCT

Title: RESISTIVE MATERIALS Application #: 10490,292 Country: US

Date filed: 7/3/2002 Status: Filed

Government Contract Licensee(s): MCT

EXHIBIT B6

PATENTS OWNED BY SHIPLEY AND LICENSED EXCLUSIVELY BY MCT OUTSIDE THE FIELD OF EMBEDDED PASSIVES

Title: THE DEPOSITION OF RESISTOR MATERIALS DIRECTLY ON INSULATING SUBSTRATES	Patent #: 6,210,592	Country: U.S.
Government Contract Licensee(s): MCT	Issue date: 4/3/2001	Status: Issued, Expires 4/29/2018
Title: FORMATION OF THIN FILM RESISTORS	Patent #: 6,329,899	Country: U.S.
Government Contract Licensee(s): MCT	Issue date: 12/11/2001	Status: Issued, Expires 4/29/18
Title: METHOD FOR FORMING THIN FILM RESISTORS	Patent #: 0322287	Country: South Korea
Government Contract Licensee(s): MCT	Issue date: 1/15/2002	Status: Issued, Expires 4/29/98
Title: METHOD FOR FORMING THIN FILM RESISTORS	Patent #: SG66713	Country: Singapore
Government Contract Licensee(s): MCT	Issue date: 2/26/2002	Status: Issued, Expires 4/29/18
Title: METHOD FOR FORMING THIN FILM RESISTORS	Patent #: 159129	Country: Taiwan
Government Contract Licensee(s): MCT	Issue date: 11/5/2002	Status: Allowed
Title: FORMATION OF THIN FILM RESISTORS	Patent #: 6,500,350	Country: U.S.
	Issue date: 12/31/2002	Status: Issued

Government Contract Licensee(s): MCT

EXHIBIT C

Trademarks

MARK	TYPE OF MARK	FILING DATE (if filed)	SERIAL NUMBER	DATE OF FIRST USE (if used)	REGISTRATION NUMBER (if registered)	REGISTRATION DATE (if registered)
NANOMISER	Trade/Service	9/10/1999	75,795,702	10/15/2001	2579411	6/11/2002
BUILDING THE FUTURE LAYER BY LAYER	Service			7/20/1994		
MICROCOATING TECHNOLOGIES	Service			10/13/1995		
MAGICAP	Trade	11/14/2001	76335536			
NANOMISER (European)		12/19/2001	00258760			

EXHIBIT D

Mask Works

None

SVB_Microcoating - IP Security Agreement (4).DOC
Intellectual Property Security Agreement

- 1 of 1 -