

TRADEMARK ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
OM Group, Inc.		03/08/2010	CORPORATION: DELAWARE
OMG Americas, Inc.		03/08/2010	CORPORATION: OHIO
OMG Electronic Chemicals, Inc.		03/08/2010	CORPORATION: DELAWARE
Compugraphics U.S.A. Inc.		03/08/2010	CORPORATION: DELAWARE
OM Holdings, Inc.		03/08/2010	CORPORATION: DELAWARE
OMG Energy Holdings, Inc.		03/08/2010	CORPORATION: DELAWARE
Eaglepicher Technologies, LLC		03/08/2010	LIMITED LIABILITY COMPANY: DELAWARE
EPEP Holding Company, LLC		03/08/2010	LIMITED LIABILITY COMPANY: DELAWARE
Eaglepicher Medical Power, LLC		03/08/2010	LIMITED LIABILITY COMPANY: DELAWARE

RECEIVING PARTY DATA

Name:	PNC Bank, National Association
Street Address:	249 Fifth Avenue
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15222
Entity Type:	Bank: UNITED STATES

PROPERTY NUMBERS Total: 31

Property Type	Number	Word Mark
Registration Number:	0953058	CAREFREE
Registration Number:	1124671	CAREFREE MAGNUM
Registration Number:	0896288	EPISTATIC
Registration Number:	1179937	KEEPER
Registration Number:	1157119	MAGNUM

CH \$790.00 0953058

900156867

TRADEMARK
REEL: 004165 FRAME: 0445

Registration Number:	3402478	CONTEGO
Registration Number:	0900551	CEM-ALL
Registration Number:	1562871	CUR-RX
Registration Number:	1562872	DRI-RX
Registration Number:	0807719	HEX-CEM
Registration Number:	1056381	HYDRO-CURE
Registration Number:	1267478	HYDRO-NAP
Registration Number:	0635764	LIN-ALL
Registration Number:	1297297	M
Registration Number:	0806188	NAP-ALL
Registration Number:	0947074	NEO-NAP
Registration Number:	1873473	OMG
Registration Number:	0695507	POLY-CURE
Registration Number:	0864793	SKINO
Registration Number:	0868592	SPURSO
Registration Number:	0806189	TEN-CEM
Registration Number:	3437612	CALCIPLEX
Registration Number:	2955703	FRIC-SHUN
Registration Number:	2338895	REEL-BRIGHT
Registration Number:	2088101	REEL-SATIN
Registration Number:	1910943	SHADOW
Registration Number:	2546314	CO-BRA BOND
Registration Number:	0810910	ELECTRO-BRITE
Registration Number:	1154332	CO-BRA ETCH
Registration Number:	1111136	PERMA-ETCH
Registration Number:	0999465	CO-BRA SOL

CORRESPONDENCE DATA

Fax Number: (412)562-1041

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 412-562-1637

Email: vicki.cremonese@bipc.com

Correspondent Name: Michael L. Dever

Address Line 1: 301 Grant Street

Address Line 2: 20th Floor

Address Line 4: Pittsburgh, PENNSYLVANIA 15219

ATTORNEY DOCKET NUMBER: 0023138-006110

TRADEMARK

REEL: 004165 FRAME: 0446

NAME OF SUBMITTER:	Michael L. Dever
Signature:	/Michael L. Dever/
Date:	03/11/2010

Total Attachments: 54

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PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT

THIS PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT (the "Agreement"), dated as of March 8, 2010, is entered into by and among **OM GROUP, INC.**, a Delaware corporation (the "Borrower"), and **EACH OF THE OTHER PERSONS LISTED ON THE SIGNATURE PAGES HERETO** (each, a "Pledgor" and collectively, the "Pledgors"), and **PNC BANK, NATIONAL ASSOCIATION**, as Administrative Agent for the Lenders referred to below (the "Administrative Agent").

WHEREAS, pursuant to that certain Amended and Restated Credit Agreement (as amended, restated, modified or supplemented from time to time, the "Credit Agreement") of even date herewith by and among the Borrower, the Guarantors party thereto, the Lenders party thereto, and the Administrative Agent (all as defined in the Credit Agreement), the Administrative Agent and the Lenders have agreed to provide certain Loans and grant other financial accommodations to the Loan Parties (as defined in the Credit Agreement), and the Pledgors have agreed, among other things, to grant a security interest to the Administrative Agent in certain patents, trademarks, copyrights and other property as security for such loans and other obligations as more fully described herein.

NOW, THEREFORE, intending to be legally bound hereby, the parties hereto agree as follows:

1. Defined Terms.

(a) Except as otherwise expressly provided herein, (i) capitalized terms used in this Agreement shall have the respective meanings assigned to them in the Credit Agreement, and (ii) the rules of construction set forth in Section 1.2 of the Credit Agreement shall apply to this Agreement. Where applicable and except as otherwise expressly provided herein, terms used herein (whether or not capitalized) shall have the respective meanings assigned to them in the Uniform Commercial Code as enacted in the State of New York, as amended from time to time (the "Code").

(b) "Debt" shall mean and include all now existing and hereafter arising Obligations (as defined in the Credit Agreement) of each and every Pledgor and other Loan Party and their Subsidiaries to the Administrative Agent, the Lenders, or any of their respective Affiliates under the Credit Agreement, any of the other Loan Documents, together with any extensions, renewals, replacements or refundings thereof, and all costs and expenses of enforcement and collection, including reasonable attorneys' fees, and any sums advanced by the Adminisrative Agent or the Lenders or which may otherwise become due pursuant to the provisions of the Credit Agreement, the Notes, this Agreement, any other Loan Document or pursuant to any other document or instrument at any time delivered to the Administrative Agent in connection therewith, including commitment, letter of credit, agent or other fees and charges, and indemnification obligations under any such document or instrument, together with all interest payable on any of the foregoing, whether such sums are advanced or otherwise become due before or after the entry of

any judgment for foreclosure or any judgment on any Loan Document or with respect to any default under any of the Debt.

(c) "Patents, Trademarks and Copyrights" shall mean and include all of each Pledgor's present and future right, title and interest in and to the following: all trade names, patent applications, patents, trademark applications, trademarks and copyrights, whether now owned or hereafter acquired by any Pledgor, including those listed on Schedule A hereto, including all proceeds thereof (such as, by way of example, 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 reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof, and the goodwill of the business to which any of the patents, trademarks and copyrights relate.

2. To secure the performance of all Debt and Payment in Full, each Pledgor hereby grants and conveys a security interest to the Administrative Agent in the entire right, title and interest of such Pledgor in and to all of its Patents, Trademarks and Copyrights.

3. Each Pledgor jointly and severally covenants and warrants that:

(a) the Patents, Trademarks and Copyrights are subsisting and have not been adjudged invalid or unenforceable, in whole or in part;

(b) to the best of such Pledgor's knowledge, each of the Patents, Trademarks and Copyrights is valid and enforceable;

(c) such Pledgor is the sole and exclusive owner of the entire and unencumbered right, title and interest in and to each of its Patents, Trademarks and Copyrights, free and clear of any liens, charges and encumbrances, including pledges, assignments, licenses, shop rights and covenants by such Pledgor not to sue third persons;

(d) such Pledgor has the corporate, limited liability company, or partnership, as the case may be, power and authority to enter into this Agreement and perform its terms;

(e) no claim has been made to such Pledgor or, to the knowledge of such Pledgor, any other person that the use of any of the Patents, Trademarks and Copyrights does or may violate the rights of any third party;

(f) such Pledgor has used, and will continue to use for the duration of this Agreement, consistent standards of quality in its manufacture of products sold under any of the Patents, Trademarks and Copyrights;

(g) such Pledgor has used, and will continue to use for the duration of this Agreement, proper statutory notice in connection with its use of the Patents, Trademarks and Copyrights, except for those Patents, Trademarks and Copyrights that are hereafter allowed to lapse in accordance with Paragraph 10 hereof;

(h) such Pledgor will not change its state of incorporation, formation or organization, as applicable without providing thirty (30) days prior written notice the Administrative Agent; and

(i) such Pledgor will not change its name without providing thirty (30) days prior written notice to the Administrative Agent.

(j) such Pledgor shall permit the Administrative Agent, its officers, employees and agents to inspect all books and records related to the Patents, Trademarks and Copyrights; and

(k) such Pledgor shall preserve its corporate, limited liability or partnership existence, as the case may be, and shall not, except to the extent permitted under the Credit Agreement: (i) in one or a series of related transactions merge into or consolidate with any other entity, the survivor of which is not such Pledgor, or (ii) sell all or substantially all of its assets.

4. Each Pledgor agrees that, until all of the Debt shall have been Paid in Full, it will not enter into any agreement (for example, a license agreement) which is inconsistent with such Pledgor's obligations under this Agreement, without the Administrative Agent's prior written consent which shall not be unreasonably withheld, except such Pledgor may license technology in the ordinary course of business without the Administrative Agent's consent to suppliers and customers to facilitate the manufacture and use of such Pledgor's products and the provision of such Pledgor's services.

5. If, before the Debt shall have been Paid in Full, any Pledgor shall own any new trademarks or any new copyrightable or patentable inventions, or any patent application or patent for any reissue, division, continuation, renewal, extension, or continuation in part of any Patent, Trademark or Copyright or any improvement on any Patent, Trademark or Copyright, the provisions of this Agreement shall automatically apply thereto. Such Pledgor shall give the Administrative Agent prompt notice in writing of any such future patents, patent applications, trademark applications, statements of use or use or other change in the status of any intent-to-use trademark applications, trademark registrations, copyright applications and copyright registrations. The Pledgors and the Administrative Agent agree to modify this Agreement by amending Schedule A to include any future patents, patent applications, trademark applications, statements of use or use or other change in the status of any intent-to-use trademark applications, trademark registrations, copyright registrations or copyright applications and the provisions of this Agreement shall apply thereto.

6. The Administrative Agent shall have, in addition to all other rights and remedies given it by this Agreement and those rights and remedies set forth in the Credit Agreement, those allowed by applicable Law and the rights and remedies of a secured party under the Uniform Commercial Code as enacted in any jurisdiction in which the Patents, Trademarks and Copyrights may be located and, without limiting the generality of the foregoing, if an Event of Default has occurred and is continuing, the Administrative Agent may immediately, without demand of performance and without other notice (except as set forth below) or demand whatsoever to any Pledgor, all of which are hereby expressly waived, and without advertisement, sell at public or private sale or otherwise realize upon, in a city that the Administrative Agent

shall designate by notice to the Pledgors, in New York, New York or elsewhere, the whole or from time to time any part of the Patents, Trademarks and Copyrights, or any interest which such Pledgor may have therein and shall apply such proceeds as provided in Section 9.2.4 of the Credit Agreement. Notice of any sale or other disposition of the Patents, Trademarks and Copyrights shall be given to the Pledgors at least ten (10) days before the time of any intended public or private sale or other disposition of the Patents, Trademarks and Copyrights is to be made, which each Pledgor hereby agrees shall be reasonable notice of such sale or other disposition. At any such sale or other disposition, the Administrative Agent may, to the extent permissible under applicable Law, purchase the whole or any part of the Patents, Trademarks and Copyrights sold, free from any right of redemption on the part of any Pledgor, which right is hereby waived and released.

7. Each Pledgor hereby authorizes and empowers the Administrative Agent to make, constitute and appoint any officer or agent of the Administrative Agent, as the Administrative Agent may select in its exclusive discretion, as such Pledgor's true and lawful attorney-in-fact, with the power to endorse such Pledgor's name on all applications, documents, papers and instruments necessary for the Administrative Agent to use the Patents, Trademarks and Copyrights, or to grant or issue, on commercially reasonable terms, any exclusive or nonexclusive license under the Patents, Trademarks and Copyrights to any third person, or necessary for the Administrative Agent to assign, pledge, convey or otherwise transfer title in or dispose, on commercially reasonable terms, of the Patents, Trademarks and Copyrights to any third Person. Each Pledgor hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof. This power of attorney, being coupled with an interest, shall be irrevocable for the term of this Agreement; provided, however, that the Administrative Agent agrees that it will not exercise any right under this power of attorney until the occurrence of an Event of Default.

8. It is contemplated by the parties hereto that there may be times when no Debt is outstanding, but notwithstanding such occurrences, this Agreement shall remain valid and shall be in full force and effect as to subsequent outstanding Debt. At such time as the Pledgors shall have Paid in Full all of the Obligations, this Agreement shall terminate and the Administrative Agent, will thereafter, upon any Pledgor's request and at such Pledgor's expense shall execute and deliver to the applicable Pledgor all deeds, assignments and other instruments as may be necessary or proper to remove the Administrative Agent's security interest in the Patents, Trademarks and Copyrights, subject to any disposition thereof which may have been made by the Administrative Agent pursuant to this Agreement.

9. Any and all fees, costs and expenses, of whatever kind or nature, including reasonable attorneys' fees and expenses incurred by the Administrative Agent in connection with the preparation of this Agreement and all other documents relating hereto and the consummation of this transaction, the filing or recording of any documents (including all taxes in connection therewith) in appropriate public offices, the payment or discharge of any taxes, attorneys' fees, maintenance fees or encumbrances, the protection, maintenance or preservation of the Patents, Trademarks and Copyrights, or the defense or prosecution of any actions or proceedings arising out of or related to the Patents, Trademarks and Copyrights, shall be borne and paid by the Pledgors within fifteen (15) days of demand by the Administrative Agent, and if not paid within

such time, shall be added to the principal amount of the Debt and shall bear interest at the highest rate prescribed in the Credit Agreement.

10. Each Pledgor shall have the duty, through counsel reasonably acceptable to the Administrative Agent, to prosecute diligently any patent applications of the Patents, Trademarks and Copyrights pending as of the date of this Agreement if commercially reasonable or thereafter until the Debt shall have been Paid in Full, to make application on unpatented but patentable inventions (whenever it is commercially reasonable in the reasonable judgment of such Pledgor to do so) and to preserve and maintain all rights in patent applications and patents included in the Patents, Trademarks and Copyrights, including the payment of all maintenance fees. Any expenses incurred in connection with such an application shall be borne by the Pledgors. Except as permitted in the Credit Agreement, no Pledgor shall abandon any of the Patents, Trademarks and Copyrights without the consent of the Administrative Agent, which shall not be unreasonably withheld.

11. Each Pledgor shall have the right, with the consent of the Administrative Agent, which shall not be unreasonably withheld, to bring suit, action or other proceeding in its own name, and to join the Administrative Agent, if necessary, as a party to such suit so long as the Administrative Agent is satisfied that such joinder will not subject it to any risk of liability, to enforce the Patents, Trademarks and Copyrights and any licenses thereunder. Each Pledgor shall promptly, upon demand, reimburse and indemnify the Administrative Agent for all damages, costs and expenses, including reasonable legal fees, incurred by the Administrative Agent as a result of such suit or joinder by such Pledgor.

12. No course of dealing between the Pledgors and the Administrative Agent, nor any failure to exercise nor any delay in exercising, on the part of the Administrative Agent, any right, power or privilege hereunder or under the Credit Agreement or other Loan Documents shall operate as a waiver of such right, power or privilege, nor shall any single or partial exercise of any right, power or privilege hereunder or thereunder preclude any other or further exercise thereof or the exercise of any other right, power or privilege.

13. All of the Administrative Agent's rights and remedies with respect to the Patents, Trademarks and Copyrights, whether established hereby or by the Credit Agreement or by any other agreements or by Law, shall be cumulative and may be exercised singularly or concurrently.

14. Each of the obligations of each Pledgor under this Agreement is joint and several. The Administrative Agent, acting on behalf of the Lenders, may, in its sole discretion, elect to enforce this Agreement against any Pledgor without any duty or responsibility to pursue the Borrower or any other Pledgor and such an election by the Administrative Agent shall not be a defense to any action the Administrative Agent may elect to take against any Pledgor. Each of the Lenders and the Administrative Agent hereby reserves all right against each Pledgor.

15. The provisions of this Agreement are severable, and if any clause or provision shall be held invalid and unenforceable in whole or in part in any jurisdiction, then such invalidity or unenforceability shall affect only such clause or provision, or part thereof, in such

jurisdiction, and shall not in any manner affect such clause or provision in any other jurisdiction, or any clause or provision of this Agreement in any jurisdiction.

16. This Agreement is subject to modification only by a writing signed by the parties, except as provided in Paragraph 5.

17. The benefits and burdens of this Agreement shall inure to the benefit of and be binding upon the respective successors and permitted assigns of the parties, provided, however, that no Pledgor may assign or transfer any of its rights or obligations hereunder or any interest herein and any such purported assignment or transfer shall be null and void.

18. This Agreement shall be deemed to be a contract under the Laws of the State of New York and shall, pursuant to New York General Obligations Law 5-1401, for all purposes be governed by and construed and enforced in accordance with the laws of the State of New York.

19. EACH PLEDGOR IRREVOCABLY AND UNCONDITIONALLY SUBMITS, FOR ITSELF AND ITS PROPERTY, TO THE NONEXCLUSIVE JURISDICTION OF ANY U.S. FEDERAL OR OHIO STATE COURT SITTING IN CLEVELAND, OHIO, IN ANY ACTION OR PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT, OR FOR RECOGNITION OR ENFORCEMENT OF ANY JUDGMENT, AND EACH OF THE PARTIES HERETO IRREVOCABLY AND UNCONDITIONALLY AGREES THAT ALL CLAIMS IN RESPECT OF ANY SUCH ACTION OR PROCEEDING MAY BE HEARD AND DETERMINED IN SUCH OHIO STATE COURT OR, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE 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 OR IN ANY OTHER LOAN DOCUMENT SHALL AFFECT ANY RIGHT THAT THE ADMINISTRATIVE AGENT, ANY LENDER OR THE ISSUING LENDER MAY OTHERWISE HAVE TO BRING ANY ACTION OR PROCEEDING RELATING TO THIS AGREEMENT OR ANY OTHER LOAN DOCUMENT AGAINST ANY PLEDGOR OR ITS PROPERTIES IN THE COURTS OF ANY JURISDICTION. EACH PLEDGOR IRREVOCABLY AND UNCONDITIONALLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY OBJECTION THAT IT MAY NOW OR HEREAFTER HAVE TO THE LAYING OF VENUE OF ANY ACTION OR PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT OR ANY OTHER LOAN DOCUMENT IN ANY COURT REFERRED TO IN THIS SECTION. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, THE DEFENSE OF AN INCONVENIENT FORUM TO THE MAINTENANCE OF SUCH ACTION OR PROCEEDING IN ANY SUCH COURT AND AGREES NOT ASSERT ANY SUCH DEFENSE.

20. This Agreement may be executed in any number of counterparts, and by different parties hereto in separate counterparts, each of which, when so executed, shall be deemed an original, but all such counterparts shall constitute one and the same instrument. Each Pledgor

acknowledges and agrees that a telecopy transmission to the Administrative Agent or any Lender of the signature pages hereof purporting to be signed on behalf of any Pledgor shall constitute effective and binding execution and delivery hereof by such Pledgor.

21. EXCEPT AS PROHIBITED BY LAW, EACH PLEDGOR HEREBY WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY A JURY IN RESPECT OF ANY LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT OF, UNDER, OR IN CONNECTION WITH THIS AGREEMENT OR ANY OTHER DOCUMENTS OR TRANSACTIONS RELATING THERETO.

22. All notices, requests, demands, directions and other communications (collectively, "notices") given to or made upon any party hereto under the provisions of this Agreement shall be as set forth in Section 11.5 of the Credit Agreement.

23. Each Pledgor acknowledges and agrees that, in addition to the other rights of the Administrative Agent hereunder and under the other Loan Documents, because the Administrative Agent's remedies at law for failure of such Pledgor to comply with the provisions hereof relating to the Administrative Agent's rights (i) to inspect the books and records related to the pledged Collateral, (ii) to receive the various notifications such Pledgor is required to deliver hereunder, (iii) to obtain copies of agreements and documents as provided herein with respect to the pledged Collateral, (iv) to enforce the provisions hereof pursuant to which the such Pledgor has appointed the Administrative Agent its attorney-in-fact, and (v) to enforce the Administrative Agent's remedies hereunder, would be inadequate and that any such failure would not be adequately compensable in damages, such Pledgor agrees that each such provision hereof may be specifically enforced.

24. Upon the execution and delivery by any other Person of a Guarantor Joinder, such Person (i) may become a "Borrower" under the Credit Agreement and the Notes, and/or (ii) shall become a "Pledgor" under this Agreement with the same force and effect as if such Person were originally a party thereto and/or to this Agreement and named as a "Pledgor" hereunder. The execution and delivery of any such Joinder Agreement shall not require the consent of any other Pledgor hereunder, and the rights and obligations of each Pledgor hereunder shall remain in full force and effect notwithstanding the addition of any new Borrower or Pledgor as a party to this Agreement.

[SIGNATURES APPEAR ON FOLLOWING PAGES]

[SIGNATURE PAGE TO PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective officers or agents thereunto duly authorized, as of the date first above written.

OM GROUP, INC.

By: Kenneth Haber
Name: Kenneth Haber
Title: Chief Financial Officer

OMG AMERICAS, INC.

By: Kenneth Haber
Name: Kenneth Haber
Title: Vice President

OMG ELECTRONIC CHEMICALS, INC.

By: Kenneth Haber
Name: Kenneth Haber
Title: Vice President

[SIGNATURE PAGE TO PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT]

COMPUGRAPHICS U.S.A. INC.

By: Kenneth Haber
Name: Kenneth Haber
Title: Vice President and Treasurer

OM HOLDINGS, INC.

By: Michael Mangan
Name: Michael Mangan
Title: Treasurer

OMG ENERGY HOLDINGS, INC.

By: Valerie Gentile Sachs
Name: Valerie Gentile Sachs
Title: Secretary

[SIGNATURE PAGE TO PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT]

EAGLEPICHER TECHNOLOGIES, LLC

By: 

Name: Randy Moore

Title: President and Chief Executive Officer

EPEP HOLDING COMPANY, LLC

By: EAGLEPICHER TECHNOLOGIES, LLC
its sole Member

By: 

Name: Randy Moore

Title: President and Chief Executive Officer

EAGLEPICHER MEDICAL POWER, LLC

By: 

Name: Randy Moore

Title: President

[SIGNATURE PAGE TO PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT]

PNC BANK, NATIONAL ASSOCIATION, as
Administrative Agent

By: 
Name: Christian Brown
Title: Senior Vice President

TRADEMARK
REEL: 004165 FRAME: 0459

SCHEDULE A
TO
PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT

LIST OF REGISTERED PATENTS, TRADEMARKS,
 TRADE NAMES AND COPYRIGHTS

PATENTS

<u>PATENTS</u>							
Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METHOD AND SYSTEM FOR CELL EQUALIZATION WITH CHARGING SOURCES AND SHUNT REGULATORS	Abandoned	11/163667	10/26/05		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	SYSTEM AND METHOD FOR NONDESTRUCTIVE TESTING OF THERMAL BATTERIES	Granted	11/162061	8/26/05	7545147	6/9/09
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METHOD AND SYSTEM FOR CELL EQUALIZATION WITH SWITCHED CHARGING SOURCES	Abandoned	11/163669	10/26/05		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	HYBRID ENERGY STORAGE SYSTEM, RENEWABLE ENERGY SYSTEM INCLUDING THE STORAGE	Pending	61/165851	4/1/09		

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	SYSTEM, AND METHOD OF USING SAME	Published	11/163668	10/26/05		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METHOD AND SYSTEM FOR CELL EQUALIZATION WITH ISOLATED CHARGING SOURCES	Published				
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	SYSTEM AND METHOD FOR NONDESTRUCTIVE TESTING OF THERMAL BATTERIES	Published	12/432592	4/29/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	SYSTEM AND METHOD FOR MANUFACTURING A THERMAL BATTERY	Published	11/670856	2/2/07		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	SYSTEM AND METHOD FOR MANUFACTURING A THERMAL BATTERY	Published	11/670890	2/2/07		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	AUTOMATED TRACKING AND STORAGE SYSTEM FOR USE WITH AN AUTOMATED THERMAL BATTERY MANUFACTURING SYSTEM	Published	11/670901	2/2/07		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	INTERNAL RECHARGING NON-AQUEOUS ELECTROCHEMICAL CELL	Pending	61/173534	4/28/09		

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	LITHIUM-SULFUR BATTERY AND CATHODE THEREFORE	Published	12/396118	3/2/09		
EAGLEPICHER TECHNOLOGIES , LLC	Patent Cooperation Treaty	LITHIUM-SULFUR BATTERY AND CATHODE THEREFORE	Published	PCT/US2009/03572 3	3/2/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	NON-LITHIATED CATHODE, CELL INCLUDING THE CATHODE, AND METHOD OF MANUFACTURING SAME	Pending	61/161300	3/18/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	NON-LITHIATED CATHODE IN A NON-AQUEOUS CELL	Pending	61/112562	11/7/08		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	THERMAL BATTERY ELECTROLYTE MATERIAL AND CATHODE, ANODE, AND BATTERY INCLUDING SAME	Pending	61/167040	4/6/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	END OF LIFE INDICATION SYSTEM AND METHOD	Pending	61/157827	3/5/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	PHYSICAL MIXTURE OF CHEMICAL SUBSTANCES AS CATHODE MATERIAL FOR LITHIUM BATTERIES	Pending	61/161303	3/18/09		
EAGLEPICHER	United	SYSTEM AND	Pending	61/167049	4/6/09		

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
TECHNOLOGIES , LLC	States of America	METHOD FOR VERIFYING THE CORRECT ORDERING OF A STACK OF COMPONENTS					
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	THERMAL BATTERY CATHODE MATERIAL AND BATTERY INCLUDING SAME	Pending	61/167042	4/6/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	PHYSICAL KEY TO FACILITATE AN INACTIVE MODE STATE-OF-CHARGE INDICATOR WITHIN A BATTERY	Published	12/345048	12/29/08		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	BATTERY PROTECTION CIRCUIT FOR LITHIUM CARBON MONOFLUORIDE BATTERY	Published	12/057035	3/27/08		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	PHYSICAL KEY TO FACILITATE AN INACTIVE MODE FOR A STATE-OF-CHARGE INDICATOR WITHIN A BATTERY	Granted	11/674515	2/13/07	7482941	1/27/09
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	PHYSICAL KEY TO FACILITATE AN INACTIVE MODE FOR A STATE-OF-CHARGE INDICATOR WITHIN A BATTERY	Granted	10/906515	2/23/05	7176806	2/13/07
EAGLEPICHER	France	PHYSICAL KEY TO	Published	06/01565	2/22/06		

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TECHNOLOGIES , LLC		FACILITATE AN INACTIVE MODE FOR A STATE-OF-CHARGE INDICATOR WITHIN A BATTERY					
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	PHYSICAL KEY TO FACILITATE AN INACTIVE MODE FOR A STATE-OF-CHARGE INDICATOR WITHIN A BATTERY	Granted	0603343.5	2/21/06	GB2423627	4/11/07
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	ANODE DESIGN FOR A PRISMATICALLY WOUND LiMnO ₂ CELL	Abandoned	10/792242 d	3/3/04		
EAGLEPICHER TECHNOLOGIES , LLC	Canada	ANODE DESIGN FOR A PRISMATICALLY WOUND LiMnO ₂ CELL	Pending	2496260	2/9/05		
EAGLEPICHER TECHNOLOGIES , LLC	Japan	IMPROVED PERFORMANCE THERMAL BATTERY	Published	2001-169349	6/5/01		
EAGLEPICHER TECHNOLOGIES , LLC	European Patent Convention	BATTERY WITH COMPLETE DISCHARGE DEVICE	Published	04785223.1	4/27/06		
EAGLEPICHER TECHNOLOGIES , LLC	Patent Cooperation Treaty	BATTERY WITH COMPLETE DISCHARGE DEVICE	Inactive	PCT/US2004/03187 4	9/29/04		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METHOD AND SYSTEM FOR CELL EQUALIZATION WITH CHARGING SOURCES AND SHUNT REGULATORS	Published	12/497372	7/2/09		
EAGLEPICHER TECHNOLOGIES	United States of	METHOD AND SYSTEM FOR CELL	Pending	12/498210	7/6/09		

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
, LLC	America	EQUALIZATION WITH SWITCHED CHARGING SOURCES					
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	PROCESS OF FORMING A NICKEL ELECTRODE	Granted	09/208132	12/9/98	6193871	2/27/01
EAGLEPICHER TECHNOLOGIES , LLC	Japan	METAL OXIDE-HYDROGEN BATTERY HAVING MODULES EXTENDING LONGITUDINALLY OF THE PRESSURE VESSEL	Granted	288601/1992	10/27/92	3392445	1/24/03
EAGLEPICHER TECHNOLOGIES , LLC	Japan	METHOD OF FABRICATING A PRESSURE VESSEL FOR A METAL OXIDE-HYDROGEN BATTERY	Granted	22412/1992	2/7/92	3323221	6/28/02
EAGLEPICHER TECHNOLOGIES , LLC	Japan	METAL OXIDE HYDROGEN BATTERY HAVING SEALED CELL MODULES WITH ELECTROLYTE CONTAINMENT AND HYDROGEN VENTING	Granted	288600/1992	10/27/92	3423335	4/25/03
EAGLEPICHER TECHNOLOGIES , LLC	Japan	METAL OXIDE-HYDROGEN BATTERY HAVING RECTANGULAR MODULES IN A CYLINDRICAL PRESSURE VESSEL	Granted	286220/1992	10/23/92	3354971	9/27/02
EAGLEPICHER TECHNOLOGIES	Japan	WELDED PRESSURE VESSEL FOR A METAL	Granted	268467/1992	10/7/92	3399564	2/21/03

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
, LLC		OXIDE-HYDROGEN BATTERY UTILIZING A FLEXIBLE WELD RING					
EAGLEPICHER TECHNOLOGIES , LLC	Japan	IMPROVED PRESSURE VESSEL CONSTRUCTION FOR A METAL OXIDE-HYDROGEN BATTERY	Granted	194919/1993	8/5/93	3386523	1/10/03
EAGLEPICHER TECHNOLOGIES , LLC	Japan	METAL OXIDE HYDROGEN BATTERY HAVING IMPROVED HEAT TRANSFER PROPERTIES	Granted	325898/1991	12/10/91	3059276	4/21/00
EAGLEPICHER TECHNOLOGIES , LLC	India	LEAKPROOF, VALVE REGULATED, MAINTENANCE-FREE LEAD ACID BATTERY	Granted	1565/DEL/95	8/22/95	194330	2/3/06
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	THERMAL BATTERY	Granted	09/587444	6/5/00	6475662	11/5/02
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	SEPARATION OF THE ISOTOPES OF BORON BY CHEMICAL EXCHANGE REACTIONS	Granted	08/186309	1/25/94	5419887	5/30/95
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METHOD AND APPARATUS FOR COOLING OR HEATING BATTERY CELLS DURING ELECTRICAL TESTING	Granted	07/878628	5/5/92	5257463	11/2/93
EAGLEPICHER TECHNOLOGIES	Taiwan	IMPROVED PERFORMANCE	Granted	090113610	6/5/01	NI-163312	1/28/03

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
, LLC		THERMAL BATTERY IMPROVED PERFORMANCE THERMAL BATTERY	Granted	01115966.9	6/5/01	ZL01115966.9	8/3/05
EAGLEPICHER TECHNOLOGIES , LLC	China (People's Republic)	RESERVE BATTERY WITH SET BACK MECHANISM FOR DELAYED BATTERY ACTIVATION	Granted	10/924000	8/23/04	7504177	3/17/09
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METHOD AND APPARATUS FOR COOLING OR HEATING BATTERY CELLS DURING ELECTRICAL TESTING	Granted	9305388	5/5/93	9305388	4/26/96
EAGLEPICHER TECHNOLOGIES , LLC	France	IMPROVED PERFORMANCE THERMAL BATTERY	Granted	143480	5/31/01	143480	3/19/06
EAGLEPICHER TECHNOLOGIES , LLC	Mexico	LEAKPROOF, VALVE-REGULATED, MAINTENANCE-FREE LEAD ACID BATTERY	Granted	976517	8/27/97	193272	9/3/99
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	NONWOVEN ELECTRODE CONSTRUCTION	Granted	08/248868	5/24/94	5518833	5/21/96
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	BATTERY WITH COMPLETE DISCHARGE DEVICE	Granted	10/792367	3/3/04	7190147	3/13/07
EAGLEPICHER TECHNOLOGIES , LLC	Netherlands	METHOD AND APPARATUS FOR COOLING OR HEATING BATTERY CELLS DURING ELECTRICAL TESTING	Granted	9300770	5/5/93	194816	3/4/03

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	ENRICHMENT OF SILICON OR GERMANIUM ISOTOPES	Granted	09/428373	10/28/99	6146601	11/14/00
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	ELECTRICAL POWER GENERATOR	Granted	09/613890	7/11/00	6376944	4/23/02
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	BATTERY	Granted	29/035398	2/27/95	D367255	2/20/96
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	LEAKPROOF, VALVE REGULATED, MAINTENANCE-FREE LEAD ACID BATTERY	Granted	08/387300	2/27/95	5464701	11/7/95
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	BATTERY CHARGER AND CHARGE CONTROL SYSTEM	Granted	10/051402	1/18/02	6518726	2/11/03
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	AUTOCLAVABLE BATTERY PACK	Granted	10/287727	11/4/02	6756766	6/29/04
EAGLEPICHER TECHNOLOGIES , LLC	European Patent Convention	IMPROVED PERFORMANCE THERMAL BATTERY	Inactive	01304767.5	5/31/01	1162678	10/1/08
EAGLEPICHER TECHNOLOGIES , LLC	Patent Cooperation Treaty	LEAKPROOF, VALVE-REGULATED, MAINTENANCE-FREE LEAD ACID BATTERY	Published	PCT/US1995/010350	8/15/95		
EAGLEPICHER TECHNOLOGIES , LLC	France	IMPROVED PERFORMANCE THERMAL BATTERY	Granted	01304767.5	5/31/01	1162678	10/1/08
EAGLEPICHER TECHNOLOGIES , LLC	Germany	IMPROVED PERFORMANCE THERMAL BATTERY	Granted	01304767.5	5/31/01	1162678	10/1/08
EAGLEPICHER	United	IMPROVED	Granted	01304767.5	5/31/01	1162678	10/1/08

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TECHNOLOGIES , LLC	Kingdom	PERFORMANCE THERMAL BATTERY	Unfiled				
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	RESERVE BATTERY CELL WITH LINEAR FORCE ACTIVATION MECHANISM	Pending	61/266628	12/4/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	NON-AQUEOUS CELL HAVING A MIXTURE OF FLUORINATED CARBON CATHOD MATERIALS	Pending	12/614667	11/9/09		
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	NON-AQUEOUS CELL HAVING AMORPHOUS OR SEMI-CRYSTALLINE COPPER MANGANESE OXIDE CATHODE MATERIAL	Pending	07/927072	8/7/92	5304435	4/19/94
EAGLEPICHER TECHNOLOGIES , LLC	France	METAL OXIDE-HYDROGEN BATTERY HAVING MODULES EXTENDING LONGITUDINALLY OF THE PRESSURE VESSEL	Granted	9212849	10/28/92	2683094	10/7/94
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	COAXIAL TERMINAL CONSTRUCTION FOR A SEALED PRESSURIZED BATTERY	Granted	9120261.4	9/23/91	2248338	7/13/94

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
EAGLEPICHER TECHNOLOGIES , LLC	France	COAXIAL TERMINAL CONSTRUCTION FOR A SEALED PRESSURIZED BATTERY	Granted	91111931	9/27/91	2667446	4/22/94
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METAL OXIDE-HYDROGEN BATTERY INCORPORATING A MECHANISM FOR MAINTAINING A CONSTANT PRESSURE IN THE BATTERY	Granted	07/868318	4/14/92	5264301	11/23/93
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	APPARATUS FOR ELECTRICALLY CONNECTING CELL MODULES OF A METAL OXIDE-HYDROGEN BATTERY	Granted	07/783006	10/28/91	5173377	12/22/92
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	APPARATUS FOR ELECTRICALLY CONNECTING CELL MODULES OF A METAL OXIDE-HYDROGEN BATTERY	Granted	9222424.5	10/26/92	2261542	9/20/95
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	PRESSURE VESSEL CONSTRUCTION FOR A METAL OXIDE-HYDROGEN BATTERY	Granted	07/528876	5/24/90	5082754	1/21/92
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	NICKEL-HYDROGEN BATTERY WITH OXYGEN AND ELECTROLYTE MANAGEMENT FEATURES	Granted	90905748.1	9/21/91	0464133	6/7/95

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
EAGLEPICHER TECHNOLOGIES , LLC	France	NICKEL-HYDROGEN BATTERY WITH OXYGEN AND ELECTROLYTE MANAGEMENT FEATURES	Granted	90905748.1	9/21/91	0464133	6/7/95
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	METAL OXIDE-HYDROGEN BATTERY HAVING MODULES EXTENDING LONGITUDINALLY OF THE PRESSURE VESSEL	Granted	9222426.0	10/26/92	2261107	5/10/95
EAGLEPICHER TECHNOLOGIES , LLC	Germany	NICKEL-HYDROGEN BATTERY WITH OXYGEN AND ELECTROLYTE MANAGEMENT FEATURES	Granted	90905748.1	9/21/91	0464133	6/7/95
EAGLEPICHER TECHNOLOGIES , LLC	France	APPARATUS FOR ELECTRICALLY CONNECTING CELL MODULES OF A METAL OXIDE-HYDROGEN BATTERY	Granted	9212850	10/28/92	2683095	10/7/94
EAGLEPICHER TECHNOLOGIES , LLC	France	PRESSURE VESSEL CONSTRUCTION FOR A METAL OXIDE-HYDROGEN BATTERY	Granted	9309718	8/6/93	2694658	5/24/96
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	WELDED PRESSURE VESSEL FOR A METAL OXIDE-HYDROGEN BATTERY UTILIZING A FLEXIBLE WELD	Granted	07773251	10/9/91	5262252	11/16/93

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EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	RING WELDED PRESSURE VESSEL FOR A METAL OXIDE-HYDROGEN BATTERY UTILIZING A FLEXIBLE WELD RING	Granted	9220913.9	10/5/92	2260288	9/14/94
EAGLEPICHER TECHNOLOGIES , LLC	France	WELDED PRESSURE VESSEL FOR A METAL OXIDE-HYDROGEN BATTERY UTILIZING A FLEXIBLE WELD RING	Granted	9212014	10/9/92	2682535	3/13/98
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	METAL OXIDE-HYDROGEN BATTERY HAVING RECTANGULAR MODULES IN A CYLINDRICAL PRESSURE VESSEL	Granted	9222427.8	10/26/92	2261544	5/10/95
EAGLEPICHER TECHNOLOGIES , LLC	France	METAL OXIDE-HYDROGEN BATTERY HAVING RECTANGULAR MODULES IN A CYLINDRICAL PRESSURE VESSEL	Granted	9212851	10/28/92	2683096	10/7/94
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METAL OXIDE-HYDROGEN BATTERY HAVING IMPROVED HEAT TRANSFER PROPERTIES	Granted	07/625560	12/11/90	5071652	12/10/91
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	METAL OXIDE HYDROGEN BATTERY	Granted	91311398.1	12/6/91	0490597	3/20/96

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EAGLEPICHER TECHNOLOGIES , LLC	France	METAL OXIDE HYDROGEN BATTERY	Granted	91311398.1	12/6/91	0490597	3/20/96
EAGLEPICHER TECHNOLOGIES , LLC	Germany	METAL OXIDE HYDROGEN BATTERY	Granted	91311398.1	12/6/91	0490597	3/20/96
EAGLEPICHER TECHNOLOGIES , LLC	Spain	NICKEL-HYDROGEN BATTERY WITH OXYGEN AND ELECTROLYTE MANAGEMENT FEATURES	Granted	90905748.1	9/21/91	0464133	6/7/95
EAGLEPICHER TECHNOLOGIES , LLC	Italy	NICKEL-HYDROGEN BATTERY WITH OXYGEN AND ELECTROLYTE MANAGEMENT FEATURES	Granted	90905748.1	9/21/91	0464133	6/7/95
EAGLEPICHER TECHNOLOGIES , LLC	France	METHOD OF FABRICATING A PRESSURE VESSEL FOR A METAL OXIDE-HYDROGEN BATTERY	Granted	9201617	2/13/92	2672735	6/17/94
EAGLEPICHER TECHNOLOGIES , LLC	United Kingdom	METHOD OF FABRICATING A PRESSURE VESSEL FOR A METAL OXIDE-HYDROGEN BATTERY	Granted	9202441.3	2/5/92	2253167	5/11/94
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	METHOD OF FABRICATING A PRESSURE VESSEL FOR A METAL OXIDE-HYDROGEN BATTERY	Granted	07/65555	2/13/91	5090612	2/25/92

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EAGLEPICHER TECHNOLOGIES ,LLC	France	METAL OXIDE HYDROGEN BATTERY HAVING SEALED CELL MODULES WITH ELECTROLYTE CONTAINMENT AND HYDROGEN VENTING	Granted	9212854	10/28/92	2683097	10/7/94
EAGLEPICHER TECHNOLOGIES ,LLC	United Kingdom	METAL OXIDE HYDROGEN BATTERY HAVING SEALED CELL MODULES WITH ELECTROLYTE CONTAINMENT AND HYDROGEN VENTING	Granted	9222425.2	10/26/92	2261543	5/24/95
EAGLEPICHER TECHNOLOGIES ,LLC	United States of America	METAL OXIDE HYDROGEN BATTERY HAVING SEALED CELL MODULES WITH ELECTROLYTE CONTAINMENT AND HYDROGEN VENTING	Granted	07/783005	10/28/91	5173376	12/22/92
EAGLEPICHER TECHNOLOGIES ,LLC	United States of America	METAL OXIDE-HYDROGEN BATTERY HAVING SEALED RECTANGULAR MODULES IN A CYLINDRICAL PRESSURE VESSEL	Granted	07/783004	10/28/91	5168017	12/1/92
EAGLEPICHER TECHNOLOGIES ,LLC	United States of America	METAL OXIDE-HYDROGEN BATTERY HAVING MODULES EXTENDING LONGITUDINALLY OF THE PRESSURE VESSEL	Granted	07/783152	10/28/91	5162171	11/10/92

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EAGLEPICHER TECHNOLOGIES , LLC	United States of America	VESSEL	Granted	09/109961	7/2/98	6016048	1/18/00
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	TEMPERATURE COMPENSATED BATTERY CHARGER SYSTEM	Unfiled				
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	NEW BINDERLESS ELECTROLYTE FOR USE IN THERMAL BATTERY CATHODE MATERIAL	Unfiled				
EAGLEPICHER TECHNOLOGIES , LLC	United States of America	POWER SOURCE AND METHOD SUITABLE FOR HIGH-TEMPERATURE ENVIRONMENTS OR POWER SOURCE FOR DOWN-HOLE DRILLING	Unfiled				
EAGLEPICHER TECHNOLOGIES , LLC	Patent Cooperation Treaty	NON-AQUEOUS CELL HAVING AMORPHOUS OR SEMI-CRYSTALLINE COPPER MANGANESE OXIDE CATHODE MATERIAL	Pending	PCT/US2009/06371 6	11/9/09		
EaglePicher Medical Power	United States of America	METHOD FOR ASSEMBLING A STACKED PLATE ELECTROCHEMICAL DEVICE	Published	11/751765	5/22/07		
EaglePicher Medical Power	United States of America	ELECTROCHEMICAL DEVICE	Published	12/023573	1/31/08		
EaglePicher	United	INTEGRAL	Published	12/350770	1/8/09		

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
Medical Power	States of America	ELECTROCHEMICAL DEVICE					
EaglePicher Medical Power	Patent Cooperation Treaty	METHOD FOR ASSEMBLING A STACKED PLATE ELECTROCHEMICAL DEVICE	Pending	PCT/IB2008/004009	5/19/08		
EaglePicher Medical Power	United States of America	MODULAR ENERGY STORAGE DEVICE AND METHOD OF MAKING THE SAME	Published	11/934747	11/3/07		
EaglePicher Medical Power	United States of America	DUAL COMBINATION MATERIAL FOR A BATTERY CAN AND LID	Unfiled				
EaglePicher Medical Power	Canada	METHOD FOR ASSEMBLING A STACKED PLATE ELECTROCHEMICAL DEVICE	Pending	TBA	11/23/09		
EaglePicher Medical Power	Japan	METHOD FOR ASSEMBLING A STACKED PLATE ELECTROCHEMICAL DEVICE	Pending	TBA	11/20/09		
EaglePicher Medical Power	European Patent Convention	METHOD FOR ASSEMBLING A STACKED PLATE ELECTROCHEMICAL DEVICE	Pending	TBA	11/23/09		
EaglePicher Energy Products Corp	United States of America	ELECTROCHEMICAL CELL WITH MODERATE-RATE DISCHARGING	Published	11/383641	5/16/2006		

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
		CAPABILITY AND METHOD OF PRODUCTION					
EaglePicher Technologies, LLC	United States of America	PURIFIED TETRAETHOXYSILANE AND METHOD OF PURIFYING	Granted	08558682	11/16/1995	5,840,953	11/24/1998
EaglePicher Energy Products Corp	United States of America	ELECTROCHEMICAL BATTERIES WITH RESTRICTED LIQUID ELECTROLYTE VOLUME	Granted	09/102,436	6/22/1998	6,207,318	03/27/2001
OMG Americas	United States	Light-Colored Manganese Carboxylates	Patented		8/9/1993	5461172	10/24/1995
OMG Americas	United States	Gold Carboxylates and Process for Preparing the Same	Patented		3/17/1992	5210245	5/11/1993
OMG Americas	United States	Gold Carboxylates and Process for Preparing the Same	Patented		12/10/1990	5194643	3/16/1993
OMG Americas	EPC	Gold Carboxylates and Process for Preparing the Same	Patented		11/22/1991	514529	8/9/1995
OMG Americas	Belgium	Gold Carboxylates and Process for Preparing the Same	Patented		11/22/1991	514529	8/9/1995
OMG Americas	Liechtenstein	Gold Carboxylates and Process for Preparing the Same	Patented		11/22/1991	514529	8/9/1995
OMG Americas	Germany	Gold Carboxylates and Process for Preparing the Same	Patented		11/22/1991	514529	8/9/1995
OMG Americas	France	Gold Carboxylates and Process for Preparing the	Patented		11/22/1991	514529	8/9/1995

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Americas	Great Britain	Gold carboxylates and process for preparing the same	Patented	11/22/1991	514529		8/9/1995
OMG Americas	Italy	Gold carboxylates and process for preparing the same	Patented	11/22/1991	514529		8/9/1995
OMG Americas	Japan	Gold carboxylates and process for preparing the same	Patented	11/22/1991	514529		8/9/1995
OMG Americas	Netherlands	Gold carboxylates and process for preparing the same	Patented	11/22/1991	514529		8/9/1995
OMG Americas	South Korea	Gold carboxylates and process for preparing the same	Patented	11/22/1991	514529		8/9/1995
OMG Americas	Austria	Gold carboxylates and process for preparing the same	Patented	11/22/1991	514529		8/9/1995
OMG Americas	Canada	Gold carboxylates and process for preparing the same	Patented	11/22/1991	2074828		10/1/2002
OMG Americas	United States	Drier Promoter Compositions	Patented	3/13/1992	5156674		10/20/1992
OMG Americas	United States	Drier Promoter Compositions	Patented	6/21/1991	5141562		8/25/1992
OMG Americas	Japan	Drier Promoter Compositions	Patented	9/17/1993	239393		3/2/2001
OMG Americas	EPC	Drier Promoter Compositions	Patented	11/22/1991	519194		5/3/1995
OMG Americas	Belgium	Drier Promoter Compositions	Patented	11/22/1991	519194		5/3/1995
OMG Americas	France	Drier Promoter Compositions	Patented	11/22/1991	519194		5/3/1995

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OMG Americas	Great Britain	Drier Promoter Compositions	Patented	1	11/22/199	519194	5/3/1995
OMG Americas	Italy	Drier Promoter Compositions	Patented	1	11/22/199	519194	5/3/1995
OMG Americas	Netherlands	Drier Promoter Compositions	Patented	1	11/22/199	519194	5/3/1995
OMG Americas	United States	Neodymium Carboxylates as Driers in High-Solids Coating Compositions	Patented	10/3/1991	5154764	10/13/199	2
OMG Americas	United States	Preparation of Platinum Group Metal and Rhodium Carboxylates	Patented	12/10/1990	5149854	9/22/1992	
OMG Americas	Canada	Preparation of Platinum Group Metal and Rhodium Carboxylates	Patented	11/22/1991	2074838	2/11/2003	
OMG Americas	United States	Process for Making Bismuth Carboxylates	Patented	7/24/1989	5021598	6/4/1991	
OMG Americas	Canada	Process for Making Bismuth Carboxylates	Patented	7/23/1990	2063792	2/11/1997	
OMG Americas	EPC	Process for Making Bismuth Carboxylates	Patented	7/23/1990	484426	4/12/1995	
OMG Americas	Belgium	Process for Making Bismuth Carboxylates	Patented	7/23/1990	484426	4/12/1995	
OMG Americas	Germany	Process for Making Bismuth Carboxylates	Patented	7/23/1990	484426	4/12/1995	
OMG Americas	Spain	Process for Making Bismuth Carboxylates	Patented	7/23/1990	484426	4/12/1995	
OMG Americas	France	Process for Making Bismuth Carboxylates	Patented	7/23/1990	484426	4/12/1995	
OMG Americas	Great Britain	Process for Making Bismuth Carboxylates	Patented	7/23/1990	484426	4/12/1995	
OMG Americas	Italy	Process for Making Bismuth Carboxylates	Patented	7/23/1990	484426	4/12/1995	
OMG Americas	Netherlands	Process for Making	Patented	7/23/1990	484426	4/12/1995	

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Americas	United States	Bismuth Carboxylates Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		5/18/2001 1	6689893	2/10/2004
OMG Americas	EPC	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001 1	1387863	3/8/2006
OMG Americas	Austria	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001 1	1387863	3/15/2006
OMG Americas	Germany	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001 1	1387863	3/15/2006
OMG Americas	France	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001 1	1387863	3/8/2006
OMG Americas	Great Britain	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001 1	1387863	3/8/2006
OMG Americas	Italy	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001 1	1387863	3/8/2006
OMG Americas	Netherlands	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001 1	1387863	3/8/2006
OMG Americas	Taiwan	Shelf Stable Haze Free	Patented		10/16/2001 1	245769	12/21/2000

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
		Liquids of Overbased Alkaline Earth Metal Salts		1	10/16/2001	117018	5
OMG Americas	Brazil	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Pending		10/16/2001	2255592	9/22/2005
OMG Americas	Australia	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001		
OMG Americas	Canada	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Pending		10/16/2001	2447330	9/22/2005
OMG Americas	Germany	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001	60117864	8/17/2006
OMG Americas	Japan	Shelf Stable Haze Free Liquids of Overbased Alkaline Earth Metal Salts	Patented		10/16/2001	4093864	6/4/2008
OMG Americas	United States	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Patented		3/4/2003	6639090	10/28/2003
OMG Americas	EPC	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Pending		9/4/2003	1599437	
OMG Americas	Japan	Powdered Overbased Amorphous Alkaline Earth Metal Salts and	Pending		9/4/2003	2004269501	

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Americas	Canada	Processes for Making Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Pending		9/4/2003	2516613	
OMG Americas	Brazil	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Pending		9/4/2003	318157	
OMG Americas	Australia	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Patented		9/4/2003	268415	7/26/2007
OMG Americas	China	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Pending		9/4/2003	1802427	
OMG Americas	EPC	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Pending		9/4/2003	1599437	
OMG Americas	Japan	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Pending		9/4/2003	4269883	
OMG Americas	South Korea	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Pending		9/4/2003	6892	
OMG Americas	Taiwan	Powdered Overbased Amorphous Alkaline Earth Metal Salts and Processes for Making	Patented		9/4/2003	245769	12/21/2005
OMG Americas	Ukraine	Powdered Overbased	Patented		9/4/2003	81144	12/10/200

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Americas	United States	Amorphous Alkaline Earth Metal Salts and Processes for Making Lubricant Compositions Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant	Patented		9/19/2003	7163912	1/16/2007
OMG Americas	China	Lubricant Compositions Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant	Pending		9/19/2003	1802427	
OMG Americas	EPC	Lubricant Compositions Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant	Pending		9/19/2003	1603997	
OMG Americas	Japan	Lubricant Compositions Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant	Pending		9/19/2003	269883	
OMG Americas	South Korea	Lubricant Compositions Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant	Pending		9/19/2003	2785	
OMG Americas	Taiwan	Lubricant Compositions Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant	Patented		9/19/2003	257949	7/11/2006
OMG Americas	Ukraine	Lubricant Compositions	Patented		9/19/2003	78643	4/10/2007

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
		Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant					
OMG Americas	Brazil	Lubricant Compositions Containing an Overbased Amorphous Alkaline Earth Metal Salt as a Metal Protectant	Pending		9/19/2003	407905	
OMG Americas	United States	Overbased Metal Carboxylate Calcite-Containing Greases	Pending		5/1/2007	11/7427797	
OMG Americas	United States	Overbased Metal Carboxylate Precursor and Process for Making Overbased Metal Carboxylate Grease and Process for Making High-solids coating compositions	Pending		4/21/2008	12/106358	
OMG Americas	United States	Overbased Metal Carboxylate Grease and Process for Making High-solids coating compositions	Pending		9/5/2008	61/094598	
OMG Americas	Japan	Preparation of transition metal salts of organic carboxylic acids	Patented		8/9/1993	64-207203	10/24/1995
OMG Americas	Canada	Preparation of transition metal salts of organic carboxylic acids	Patented		12/13/1985	1265815	2/13/1990
OMG Americas	Canada	Preparation of transition metal salts of organic carboxylic acids	Patented		12/13/1985	1265532	2/6/1990
OMG Americas	EPC	Low Temperature Method for Synthesizing Micrograin Tungsten Carbide	Converted		10/26/1992	613449	12/13/1995
OMG Americas	EPC	Method of Making Metallic Carbide Powders	Converted		2/10/1995	745145	11/5/1997
OMG Americas	EPC	Preparation of Metallic Carbide Group VIII Metal	Converted		6/4/1997	902772	11/27/2002

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Americas	EPC	Powder Method to Produce a Transition Metal Carbide from a Partially Reduced Transition Metal Compound	Converted		9/10/1996	850195	6/7/2000
OMG Americas	EPC	Method for Making Submicrometer Transition Metal Carbonitrides	Patented		2/25/1998	963359	5/15/2002
OMG Americas	EPC	Method to Produce a Transition Metal Carbide from a Partially Reduced Transition Metal Compound	Patented		3/24/1998	973690	1/30/2002
OMG Electronic Chemicals	Germany	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/12/1994	69421699	11/17/1999
OMG Electronic Chemicals	Italy	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/12/1994	698132	11/17/1999
OMG Electronic Chemicals	France	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/12/1994	698132	11/17/1999
OMG Electronic Chemicals	U.K.	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/12/1994	698132	11/17/1999

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Electronic Chemicals	Hong Kong	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/12/1994	1005414	8/25/2000
OMG Electronic Chemicals	Japan	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/12/1994	3335176	8/2/2002
OMG Electronic Chemicals	South Korea	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/12/1994	296218	5/8/2001
OMG Electronic Chemicals	Malaysia	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/16/1994	111795	1/31/2001
OMG Electronic Chemicals	Taiwan	Carbon Compositions and Processes for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/16/1994	NI-069780	5/23/1995
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Improved Process for Preparing a Non-Conductive Substrate for Electroplating	Patented		5/17/1993	5389270	2/14/1995
OMG Electronic Chemicals (formerly assigned to Compugraphics)	United States	Improved Composition and Processes for Preparing a Non-Conductive Substrate for	Patented		5/3/1994	5476580	12/19/1995

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
U.S.A. Inc.)		Electroplating					
OMG Electronic Chemicals (formerly assigned to Comgraphics U.S.A. Inc.)	United States	Carbon Containing Composition for Electroplating	Patented		6/7/1995	5725807	3/10/1998
OMG Electronic Chemicals (formerly assigned to Comgraphics U.S.A. Inc.)	United States	Direct Metallization Process	Patented		6/7/1995	5690805	11/25/1997
OMG Electronic Chemicals (formerly assigned to Comgraphics U.S.A. Inc.)	United States	Direct Metallization Process	Patented		11/21/1997	6171468	1/9/2001
OMG Electronic Chemicals (formerly assigned to Comgraphics U.S.A. Inc.)	United States	Direct Metallization Process Employing a Cationic Conditioner and a Binder	Patented		3/17/2000	6303181	10/16/2000
OMG Electronic Chemicals (formerly assigned to Comgraphics U.S.A. Inc.)	United States	Printed Wiring Boards and Methods for Making Them	Patented		9/17/2001	6710259	3/23/2004
OMG Electronic Chemicals	United States	Printed Wiring Boards and Methods for Making Them	Patented		12/5/2003	7186923	3/6/2007
OMG Electronic Chemicals	Germany	Ultrasonic Mixing of Through Hole Treating Compositions	Patented		1/29/1997	877713	2/16/2005
OMG Electronic Chemicals	EPC	Ultrasonic Mixing of Through Hole Treating	Patented		1/29/1997	877713	2/16/2005

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Electronic Chemicals	U.K.	Compositions Ultrasonic Mixing of Through Hole Treating Compositions	Patented		1/29/1997	877713	2/16/2005
OMG Electronic Chemicals	Italy	Ultrasonic Mixing of Through Hole Treating Compositions	Patented		1/29/1997	877713	2/16/2005
OMG Electronic Chemicals	South Korea	Ultrasonic Mixing of Through Hole Treating Compositions	Patented		1/29/1997	505173	7/23/2005
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Ultrasonic Mixing of Through Hole Treating Compositions	Patented		1/29/1997	6037020	3/14/2000
OMG Electronic Chemicals	EPC	Improved Process for Preparing a Non-Conductive Substrate for Electroplating	Patented		3/16/1992	583426	5/15/1996
OMG Electronic Chemicals	China	Aqueous Carbon Composition and Method for Coating a Non Conductive Substrate	Patented		6/1/2000	ZL00810548.0	6/29/2005
OMG Electronic Chemicals	EPC	Aqueous Carbon Composition and Method for Coating a Non Conductive Substrate	Published		6/1/2000	1200968	
OMG Electronic Chemicals	Taiwan	Aqueous Carbon Composition and Method for Coating a Non Conductive Substrate	Patented		8/9/2000	NI-194981	2/1/2004
OMG Electronic Chemicals (formerly assigned	United States	Aqueous Carbon Composition and Method for Coating a Non	Patented		6/3/1999	6440331	8/27/2002

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
to Compugraphics U.S.A. Inc.)		Conductive Substrate					
OMG Electronic Chemicals	Taiwan	Method for Treating an Oxidized Copper Film	Patented		4/11/1995	NI-090776	3/13/1998
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Method for Treating an Oxidized Copper Film	Patented		4/11/1994	5492595	2/20/1996
OMG Electronic Chemicals	China	Permanganate Desmear Process for Printed Wiring Boards	Patented		9/15/1999	ZL99119398.9	8/17/2005
OMG Electronic Chemicals	Germany	Permanganate Desmear Process for Printed Wiring Boards	Patented		8/20/1999	69904787	1/8/2003
OMG Electronic Chemicals	EPC	Permanganate Desmear Process for Printed Wiring Boards	Patented		8/20/1999	989791	1/8/2003
OMG Electronic Chemicals	U.K.	Permanganate Desmear Process for Printed Wiring Boards	Patented		8/20/1999	989791	1/8/2003
OMG Electronic Chemicals	Italy	Permanganate Desmear Process for Printed Wiring Boards	Patented		8/20/1999	989791	1/8/2003
OMG Electronic Chemicals	Taiwan	Permanganate Desmear Process for Printed Wiring Boards	Patented		9/15/1999	NI-143852	11/1/2001
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Permanganate Desmear Process for Printed Wiring Boards	Patented		9/21/1998	5985040	11/16/1999
OMG Electronic Chemicals	Canada	Conditioning of Through Holes and Glass	Pending		11/16/2000	2396566	

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Electronic Chemicals	China	Conditioning of Through Holes and Glass	Patented		11/16/2000 0	ZL00819273.1	8/10/2005
OMG Electronic Chemicals	EPC	Conditioning of Through Holes and Glass	Published		11/16/2000 0	992512	
OMG Electronic Chemicals	Japan	Conditioning of Through Holes and Glass	Published		11/16/2000 0	2001-530071	
OMG Electronic Chemicals	South Korea	Conditioning of Through Holes and Glass	Patented		11/16/2000 0	744328	7/24/2007
OMG Electronic Chemicals	Taiwan	Conditioning of Through Holes and Glass	Patented		12/7/2000	1280272	5/1/2007
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Conditioning of Through Holes and Glass	Patented		1/6/2000	6375731	4/23/2002
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Methods of Avoiding Blowhole Formation by Conditioning Through Holes and Glass	Patented		3/1/2002	6691912	2/17/2004
OMG Electronic Chemicals	PCT	Conditioning of Through Holes and Glass	Published		11/16/2000 0	PCT/US00/4218 9	
OMG Electronic Chemicals	Canada	Method for Roughening Copper Surfaces for Bonding to Substrates	Patented		1/28/2000	2297447	1/12/2010
OMG Electronic Chemicals	China	Method for Roughening Copper Surfaces for Bonding to Substrates	Published		11/16/2000 0	819289	
OMG Electronic Chemicals	EPC	Method for Roughening Copper Surfaces for Bonding to Substrates	Published		11/16/2000 0	992510	
OMG Electronic Chemicals	Japan	Method for Roughening Copper Surfaces for Bonding to Substrates	Published		11/16/2000 0	2001-550336	

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Electronic Chemicals	South Korea	Method for Roughening Copper Surfaces for Bonding to Substrates	Patented		11/16/2000 0	693973	3/6/2007
OMG Electronic Chemicals	Taiwan	Method for Roughening Copper Surfaces for Bonding to Substrates	Patented		12/7/2000	NI-183549	8/11/2003
OMG Electronic Chemicals	United States	Method for Roughening Copper Surfaces for Bonding to Substrates	Patented		1/7/2000	7351353	4/1/2008
OMG Electronic Chemicals	United States	Method for Roughening Copper Surfaces for Bonding to Substrates	Patented		12/18/2001	7153445	12/26/2000 6
OMG Electronic Chemicals	PCT	Method for Roughening Copper Surfaces for Bonding to Substrates	Published		6/8/2006	7563315	7/21/2009
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Permanganate Desmear Process for Printed Wiring Boards	Patented		11/16/2000 0	PCT/US00/4218 3	
OMG Electronic Chemicals	United States	Printed Wiring Boards Inner Layer Treatment	Not Yet Filed		4/17/002	6454868	9/24/2002
OMG Electronic Chemicals	China	Method to Improve the Stability of Dispersions of Carbon	Patented		7/24/2002	ZL02814555.0	2/8/2006
OMG Electronic Chemicals	Germany	Method to Improve the Stability of Dispersions of Carbon	Published		7/24/2002	10297077	
OMG Electronic Chemicals	U.K.	Method to Improve the Stability of Dispersions of Carbon	Patented		7/24/2002	2397059B	2/1/2006

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Electronic Chemicals	U.K.	Method to Improve the Stability of Dispersions of Carbon	Patented		7/24/2002	2415428	3/1/2006
OMG Electronic Chemicals	Hong Kong	Method to Improve the Stability of Dispersions of Carbon	Patented		1/14/2005	HK1068299	7/7/2006
OMG Electronic Chemicals	Taiwan	Method to Improve the Stability of Dispersions of Carbon	Patented		7/25/2002	1256978	6/21/2006
OMG Electronic Chemicals	United States	Method to Improve the Stability of Dispersions of Carbon	Patented		7/26/2002	6623787	9/23/2003
OMG Electronic Chemicals (formerly assigned to Compugraphics U.S.A. Inc.)	United States	Composition and Method for Preparing Chemically-Resistant Roughened Copper Surfaces for Bonding to Substrates	Patented		5/10/2002	6716281	4/6/2004
OMG Electronic Chemicals	United States	Composition and Method for Preparing Chemically-Resistant Roughened Copper Surfaces for Bonding to Substrates	Patented		2/17/2004	6946027	9/20/2005
OMG Electronic Chemicals	United States	Composition and Method for Preparing Chemically-Resistant Roughened Copper Surfaces for Bonding to Substrates	Patented		6/23/2005	7108795	9/19/2006
OMG Electronic Chemicals	United States	Novel Stabilizers for Electroless Plating Baths	Not Yet Filed		6/8/2006	11/449349	

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Electronic Chemicals	United States	Additives to Stop Copper Attack by Alkaline Etching Agents Such as Ammonia and Monoethanol Amine (MEA)	Patented		12/12/2003	7211204	5/1/2007
OMG Electronic Chemicals	United States	Additives to Stop Copper Attack by Alkaline Etching Agents Such as Ammonia and Monoethanol Amine (MEA)	Published		12/29/2005	11/321409	
OMG Electronic Chemicals	United States	Solution and Process for Improving the Solderability of a Metal Surface	Published		9/14/2005	11/226613	
OMG Electronic Chemicals	United States	Method and Composition for Selectively Stripping Nickel from a Substrate	Patented		5/3/2006	7591956	9/22/2009
OMG Electronic Chemicals	United States	Method and Composition for Selectively Stripping Nickel from a Substrate	Pending		7/18/2007	11/779626	
OMG Electronic Chemicals	PCT	Method and Composition for Selectively Stripping Nickel from a Substrate	Pending		4/20/2007	PCT/US07/09773	
OMG Electronic Chemicals	United States	Method and Composition for Selectively Stripping Silver from a Substrate	Pending		3/29/2006	11/392075	
OM GROUP ULTRA PURE CHEMICALS LIMITED	United States	Etching Compositions	Patented		12/19/1994	5496485	3/5/1996
OMG Fidelity	United States	Electroless Metal-Plating Process	Patented		4/21/2001	6524642	2/25/2003

Owner	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date
OMG Americas	United States	Electrolytic Process for Preparing Metal Sulfonates	Patented		12/6/2002	6790338	9/14/2004
OMG Americas	Indonesia	Electrolytic Process for Preparing Metal Sulfonates	Patented		8/28/2003	17832	7/21/2006
OMG Americas	South Korea	Electrolytic Process for Preparing Metal Sulfonates	Patented		8/28/2003	701610	3/23/2007
OMG Americas	Malaysia	Electrolytic Process for Preparing Metal Sulfonates	Patented		8/28/2003	127728	12/29/2006
OMG Americas	China	Electrolytic Process for Preparing Metal Sulfonates	Patented		8/28/2003	3824882	6/24/2009
OMG Americas	Hong Kong	Electrolytic Process for Preparing Metal Sulfonates	Patented		8/28/2003	6105921	11/6/2009
OMG Americas	United States	Process for Preparing Metal Nitrates from the Corresponding Metals	Patented		11/29/2000	6468494	10/22/2000
OMG Americas	PCT	Overbased Metal Carboxylate Precursor and Process for Making	Pending		11/7/2008	WO2009131599	
OMG Electronic Chemicals	PCT	Electroless Palladium Plating Solution and Method of Use	Pending		12/4/2009	PCT/US09/66767	

TRADEMARKS

Owner	Country	Trademark	Status	Application No.	Filing Date	Registration No.	Registration Date
EAGLEPICHET TECHNOLOGIES, LLC	US	CAREFREE	Registered	72/398,577	7/28/71	953,058	2/13/73
EAGLEPICHET TECHNOLOGIES, LLC	US	CAREFREE MAGNUM	Registered	73/188,381	10/6/78	1,124,671	9/4/79
EAGLEPICHET TECHNOLOGIES, LLC	US	PISTATIC (Stylized)	Registered	72/339,163	9/29/69	896,288	8/11/70
EAGLEPICHET TECHNOLOGIES, LLC	US	KEEPER (AND DESIGN)	Registered	73/271,017	7/21/80	1,179,937	12/1/81
EAGLEPICHET TECHNOLOGIES, LLC	US	MAGNUM	Registered	73/223,282	7/13/79	1,157,119	6/9/81
EAGLEPICHET BX	EAGLE-PICHER	EAGLE-PICHER	Registered	9611	8/11/71	056507	8/11/71
EAGLEPICHET TECHNOLOGIES, LLC	CA	EAGLE-PICHER CAREFREE	Registered	0405722	12/30/76	TMA229828	8/18/78
EAGLEPICHET TECHNOLOGIES, LLC	CA	HE (AND DESIGN)	Registered	0851747	7/23/97	TMA496440	6/19/98
EAGLEPICHET TECHNOLOGIES, LLC	CN	EAGLEPICHER HORIZON	Registered	3644632	7/23/03	3644632	2/7/05
EAGLEPICHET TECHNOLOGIES, LLC	EM	HE (AND DESIGN)	Registered	578179	7/23/97	578179	8/23/99
EAGLEPICHET FR	EAGLE-PICHER	EAGLE-PICHER	Registered	64611	9/23/68	1469543	9/4/78

Owner	Country	Trademark	Status	Application No.	Filing Date	Registration No.	Registration Date
TECHNOLOGIES, LLC							
EAGLEPICHER TECHNOLOGIES, LLC	IN	HE (AND DESIGN)	Registered	764973	7/25/97	764973	9/14/07
EAGLEPICHER TECHNOLOGIES, LLC	MX	HE (AND DESIGN)	Registered	309143	9/29/97	564212	11/25/97
EAGLEPICHER TECHNOLOGIES, LLC	CA	ENERGY PRO	Abandoned	1227477	8/19/04		
EAGLEPICHER TECHNOLOGIES, LLC	CN	ENERGY PRO	Registered	4277542	9/20/04	4277542	2/28/07
EAGLEPICHER TECHNOLOGIES, LLC	US	ENERGY PRO	Abandoned	78/469,066	8/17/04		
EaglePicher Medical Power	US	CONTEGO	Registered	77/035,519	11/2/06	3,402,478	3/25/08
OMG Americas, Inc.	US	CEM-ALL	Registered			900,551	10/13/1970
OMG Americas, Inc.	US	CUR-RX (Stylized Letters)	Registered			1,562,871	10/31/1989
OMG Americas, Inc.	US	DRI-RX (Stylized Letters)	Registered			1,562,872	10/31/1989
OMG Americas, Inc.	US	HEX-CEM	Registered			807,719	5/3/1966
OMG Americas, Inc.	US	HYDRO-CURE	Registered			1,056,381	1/18/1977
OMG Americas, Inc.	US	HYDRO-NAP	Registered			1,267,478	2/21/1984

Owner	Country	Trademark	Status	Application No.	Filing Date	Registration No.	Registration Date
OMG Americas, Inc.	US	LIN-ALL	Registered			635,764	10/16/1956
OMG Americas, Inc.	US	M (and design)	Registered			1,297,297	9/25/1984
OMG Americas, Inc.	US	NAP-ALL	Registered			806,188	3/29/1966
OMG Americas, Inc.	US	NEO-NAP	Registered			947,074	11/14/1972
OMG Americas, Inc.	US	OMG (Stylized Letters)	Registered			1,873,473	1/17/1995
OMG Americas, Inc.	US	POLY-CURE	Registered			695,507	4/5/1960
OMG Americas, Inc.	US	SKINO	Registered			864,793	2/18/1969
OMG Americas, Inc.	US	SPURSO	Registered			868,592	4/29/1969
OMG Americas, Inc.	US	TEN-CEM	Registered			806,189	3/29/1966
OMG Americas, Inc.	US	CALCIPLEX	Registered			3437612	12/8/2004
OMG Americas, Inc.	US	FRIC-SHUN	Registered			2955703	5/24/2005
OMG Americas, Inc.	US	REEL BRIGHT	Registered			2338895	4/4/2000
OMG Americas, Inc.	US	REEL SATIN	Registered			2088101	8/12/1997
OMG Electronic Chemicals, Inc.	Brazil	SHADOW	Registered			818829893	7/7/1998
OMG Electronic Chemicals, Inc.	Brazil	SHADOW	Registered			818829885	8/7/2001
OMG Electronic	China	SHADOW	Registered			1008203	5/21/1997

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Chemicals, Inc.							
OMG Electronic Chemicals, Inc.	China	SHADOW	Registered		1002518	5/14/1997	
OMG Electronic Chemicals, Inc.	Germany	SHADOW	Registered		39534975	11/20/2002	
OMG Electronic Chemicals, Inc.	France	SHADOW	Registered		95/5863680 N/A	8/31/1995	
OMG Electronic Chemicals, Inc.	United Kingdom	SHADOW	Registered		2027588	7/19/1995	
OMG Electronic Chemicals, Inc.	Hong Kong	SHADOW	Registered		11805	12/4/1997	
OMG Electronic Chemicals, Inc.	Hong Kong	SHADOW	Registered		11806	12/4/1997	
OMG Electronic Chemicals, Inc.	Italy	SHADOW	Registered		730372	10/16/1997	
OMG Electronic Chemicals, Inc.	Japan	SHADOW	Registered		4165020	7/10/1998	
OMG Electronic Chemicals, Inc.	Japan	SHADOW	Registered		4006999	6/6/1997	
OMG Electronic Chemicals, Inc.	South Korea	SHADOW	Registered		369307	7/18/1997	
OMG Electronic Chemicals, Inc.	Malaysia	SHADOW	Registered		95/11919	11/10/1995	
OMG Electronic Chemicals, Inc.	Malaysia	SHADOW	Registered		95/11920	8/7/1998	
OMG Electronic Chemicals, Inc.	Singapore	SHADOW	Registered		6875/95	7/28/1995	
OMG Electronic Chemicals, Inc.	Singapore	SHADOW	Registered		6876/95	7/28/1995	
OMG Electronic Chemicals, Inc.	Slovakia	SHADOW	Registered		181878	8/17/1998	

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OMG Electronic Chemicals, Inc.	Taiwan	SHADOW	Registered			975027	12/16/2001
OMG Electronic Chemicals, Inc.	Taiwan	SHADOW	Registered			964659	10/16/2001
OMG Electronic Chemicals, Inc.	United States	SHADOW	Registered			1910943	8/15/1995
OMG Electronic Chemicals, Inc.	United States	CO-BRA BOND	Registered			2546314	3/12/2002
OMG Electronic Chemicals, Inc.	Italy	ELECTROCHEMICALS	Pending				
OMG Electronic Chemicals, Inc.	Ireland	ELECTRO-BRITE	Registered			B137957	2/26/1989
OMG Electronic Chemicals, Inc.	Benelux	ELECTRO-BRITE	Registered			463270	2/27/1989
OMG Electronic Chemicals, Inc.	Denmark	ELECTRO-BRITE	Registered			33105	12/14/1990
OMG Electronic Chemicals, Inc.	Switzerland	ELECTRO-BRITE	Registered			376919	3/1/1989
OMG Electronic Chemicals, Inc.	United States	ELECTRO-BRITE	Registered			810910	810910
OMG Electronic Chemicals, Inc.	Denmark	CO-BRA-ETCH	Registered			199101916	199101916
OMG Electronic Chemicals, Inc.	Finland	CO-BRA-ETCH	Registered			112505	112505
OMG Electronic Chemicals, Inc.	Italy	CO-BRA—ETCH	Registered			832045	832045
OMG Electronic Chemicals, Inc.	United Kingdom	CO-BRA-ETCH	Registered			1102870	1102870
OMG Electronic Chemicals, Inc.	Switzerland	CO-BRA-ETCH	Registered			300226	300226
OMG Electronic	Canada	CO-BRA-ETCH	Registered			264856	264856

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Chemicals, Inc.		CO-BRA ETCH	Registered				
OMG Electronic Chemicals, Inc.	United States	CO-BRA ETCH	Registered		1154332		5/19/1981
OMG Electronic Chemicals, Inc.	South Korea	CO-BRA-ETCH	Registered		230883		1/15/1992
OMG Electronic Chemicals, Inc.	Malaysia	CO-BRA-ETCH	Registered		91003803		11/10/2000
OMG Electronic Chemicals, Inc.	Denmark	CYCLO-ETCH	Registered		04385-1992		5/22/1992
OMG Electronic Chemicals, Inc.	United Kingdom	CYCLO-ETCH	Registered		B1126942		1/15/1980
OMG Electronic Chemicals, Inc.	Denmark	PERMA-ETCH	Registered		33104		12/14/1990
OMG Electronic Chemicals, Inc.	Finland	PERMA-ETCH	Registered		116117		1/20/1992
OMG Electronic Chemicals, Inc.	United Kingdom	PERMA-ETCH	Registered		1375822		3/7/1989
OMG Electronic Chemicals, Inc.	Sweden	PERMA-ETCH	Registered		222586		4/12/1991
OMG Electronic Chemicals, Inc.	Italy	PERMA-ETCH	Registered		832044		8/26/1985
OMG Electronic Chemicals, Inc.	Switzerland	PERMA-ETCH	Registered		299303		10/23/1978
OMG Electronic Chemicals, Inc.	Canada	PERMA-ETCH	Registered		268357		4/23/1982
OMG Electronic Chemicals, Inc.	United States	PERMA-ETCH	Registered		1111136		1/16/1979
OMG Electronic Chemicals, Inc.	Finland	CO-BRA-SOL	Registered		111106		3/5/1991
OMG Electronic Chemicals, Inc.	Italy	CO-BRA-SOL	Registered		832043		7/15/1985

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OMG Electronic Chemicals, Inc.	Canada	CO-BRA-SOL	Registered		263161	10/16/1981	
OMG Electronic Chemicals, Inc.	United Kingdom	CO-BRA-SOL	Registered		1101398	9/12/1978	
OMG Electronic Chemicals, Inc.	Sweden	CO-BRA-SOL	Registered		226252	9/6/1991	
OMG Electronic Chemicals, Inc.	South Korea	CO-BRA-SOL	Registered		230885	1/15/1992	
OMG Electronic Chemicals, Inc.	United States	CO-BRA SOL	Registered		999465	12/17/1994	
OMG Electronic Chemicals, Inc.	Malaysia	CO-BRA-SOL	Registered		91003808	7/29/1991	
OMG Electronic Chemicals, Inc.	Italy	CYCLO-SPRAY	Registered		395452	1/27/1986	
OMG Electronic Chemicals, Inc.	Japan	CO-BRA-ETCH	Registered		2007068	12/18/2007	
OMG Electronic Chemicals, Inc.	Sweden	CO-BRA-ETCH	Registered		222162	3/28/1991	
OMG Electronic Chemicals, Inc.	Sweden	CYCLO-ETCH	Registered		222163	3/28/1991	
OMG Electronic Chemicals, Inc.	Sweden	ELECTROCHEMICALS AND LIGHTNING BOLT WITH FLASK DESIGN	Registered		236988	6/26/1992	
OMG Electronic Chemicals, Inc.	Mexico	IMPROVED METHOD FOR BONDING COPPER TO A POLYMERIC MATERIAL	Registered		176333	10/18/1994	
OMG Electronic Chemicals, Inc.	Taiwan	IMPROVED METHOD FOR BONDING COPPER TO A POLYMERIC MATERIAL	Registered		NI-59904	4/10/1993	

Owner	Country	Trademark	Status	Application No.	Filing Date	Registration No.	Registration Date
OMG Electronic Chemicals, Inc.	Taiwan	AN IMPROVED PROCESS FOR BINDING A LAYER OF COPPER OR COPPER POLYMER SURFACE	Registered			NI60112	4/23/1993
OMG Electronic Chemicals, Inc.	Finland	ELECTROCHEMICALS AND LIGHTNING BOLT WITH FLASK DESIGN	Registered			123005	11/5/1992

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EAGLEPICHER TECHNOLOGIES, LLC	US	#321 Cork	Registered			GP 113482	8/21/75
EAGLEPICHER TECHNOLOGIES, LLC	US	#372 Zebra	Registered			GP 113484	8/21/75
EAGLEPICHER TECHNOLOGIES, LLC	US	#375 Western Cedar	Registered			GP 115230	11/5/76
EAGLEPICHER TECHNOLOGIES, LLC	US	#379 Herringbone	Registered			GP 113483	8/21/75
EAGLEPICHER TECHNOLOGIES, LLC	US	Eagle-Picher Giant Paint Color Samples	Registered			KK75119	7/10/52
EAGLEPICHER TECHNOLOGIES, LLC	US	Souvenir Guide	Registered			AA227009	11/19/52