

## TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																														
NATURE OF CONVEYANCE:	SECURITY INTEREST																														
CONVEYING PARTY DATA																															
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CORRESPONDENCE DATA																															

Fax Number: 3125585700  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
Phone: 312 558-6352  
Email: lkonrath@winston.com  
Correspondent Name: Laura Konrath  
Address Line 1: 35 W Wacker Drive  
Address Line 2: Winston & Strawn LLP, Suite 3600  
Address Line 4: Chicago, ILLINOIS 60601

ATTORNEY DOCKET NUMBER:	83507-58
NAME OF SUBMITTER:	Laura Konrath
Signature:	/Laura Konrath/
Date:	05/13/2013

**Total Attachments: 16**

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of June 15, 2012, is entered into by and among AGY HOLDING CORP., a Delaware corporation (“**AGY Holdings**”), AGY AIKEN LLC, a Delaware limited liability company (“**Aiken**”), AGY HUNTINGDON LLC, a Delaware limited liability company (“**Huntingdon**” and, together with AGY Holdings and Aiken, collectively, “**Grantors**”), and UBS AG, STAMFORD BRANCH, as administrative agent (in such capacity, the “**Administrative Agent**”) for the lenders (the “**Lenders**”) parties to the Loan Agreement referred to below.

Statement of Facts

A. Pursuant to the Second Amended and Restated Loan and Security Agreement, dated as of the date hereof, by and among the Grantors, the Administrative Agent, the Lenders, and UBS Securities LLC, as documentation agent for such Lenders (as amended, amended and restated, modified, supplemented or restated and in effect from time to time, the “**Loan Agreement**”), the Lenders have agreed to make Loans and other financial accommodations to the Grantors on the terms set forth therein.

B. In order to induce the Lenders to provide the Loans and other extensions and advances of credit to the Grantors upon the terms and subject to the conditions contained in the Loan Agreement, the Grantors have agreed, upon the terms contained in the Loan Agreement, to grant to the Administrative Agent, for the ratable benefit of the Lenders and the other Secured Parties, a continuing security interest in and Lien upon all Intellectual Property of the Grantors in order to secure all of the Obligations.

C. Upon the terms contained in the Loan Agreement, the Grantors have agreed to execute and deliver to the Administrative Agent this Intellectual Property Security Agreement, which is supplemental to the Loan Agreement.

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantors hereby absolutely, unconditionally and irrevocably agree with the Administrative Agent, for the ratable benefit of the Lenders and the other Secured Parties, as follows:

1. **Definitions.** All capitalized terms used (including in the Preamble and the Statement of Facts) but not otherwise defined herein shall have the meanings given to them in the Loan Agreement, and the following terms shall have (unless otherwise provided elsewhere in this Intellectual Property Security Agreement) the following respective meanings (such meanings being equally applicable to both the singular and plural forms of the terms defined):

(a) “**Copyrights**” shall mean any United States or foreign copyrights or copyrightable works (whether or not registered, statutory or common law) to which a Grantor now or from time to time hereafter has title, including all reissues, renewals or extensions thereof, as well as any registrations of any copyrights or applications for copyright registrations

now or from time to time hereafter made by a Grantor with the United States Copyright Office or any similar office or agency in foreign jurisdictions, and all rights provided by international treaties or conventions with respect to any of the foregoing.

(b) **“Imprints”** shall mean the imprints, series, colophons and brands owned by or licensed to a Grantor.

(c) **“Intellectual Property”** shall mean all of the rights, title and interests of a Grantor in, to and under all of the following, whether presently existing or at any time or from time to time hereafter created, arising or acquired:

(i) all of its Marks, including all of its trademarks and all trademark licenses to which it is a party, including, without limitation, all of those referred to in Schedule I hereto;

(ii) all of its Patents and all Patent licenses to which it is a party, including, without limitation, all of those referred to in Schedule II hereto;

(iii) all of its Copyrights and all Copyright licenses to which it is a party, including, without limitation, all of those referred to in Schedule III hereto;

(iv) all goodwill of the businesses of such Grantor connected with the use of, or otherwise symbolized by, each Mark (including each trademark and trademark license), Patent, Patent license, Copyright and Copyright license;

(v) all Trade Secret Rights, all Works, Imprints, Manuscripts, URLs and all other Intellectual Property; and

(vi) all income, products and proceeds of each of the foregoing, including, without limitation, all claims by such Grantor against third parties for past, present or future (A) infringement or dilution of any Mark, including any trademark or trademark licensed under any trademark license, (B) injury to any goodwill associated with any Mark, including any trademark or any trademark licensed under any trademark license, (C) infringement of any Patent or any Patent licensed under any Patent license, (D) injury to any goodwill associated with any Patent or any Patent licensed under any Patent license, (E) infringement of any Copyright or any Copyright licensed under any Copyright license, (F) injury to any goodwill associated with any Copyright or any Copyright licensed under any Copyright license, or (G) violation of any Trade Secret Rights or any other Intellectual Property.

(d) **“Loan Agreement”** shall have the meaning given to such term in the Statement of Facts above.

(e) **“Manuscripts”** means manuscripts or manuscripts in progress created or to be created in connection with the Works, including all computer files, notes, plates, film, negatives, bluelines, art boards, laser generated proofs, treatment and illustrations.

(f) **“Marks”** shall mean any trademarks and service marks now held or hereafter acquired by a Grantor which are registered in the United States Patent and Trademark Office, or in any other similar office or agency of the United States or any state thereof or any political subdivision thereof, or in any similar office or agency in foreign jurisdictions, and any application for such trademarks and service marks, as well as any unregistered marks used by a Grantor and trade dress, including logos, proprietary icons, designs, trade names, trade styles, company names, corporate names, business names, URLs, fictitious business names and other business or source identifiers in connection with which any of such registered or unregistered marks are used, and including all common law rights therein, and registrations and applications for registration therefor, all rights provided by international treaties or conventions with respect to the foregoing, and all renewals of any of the foregoing, and all goodwill associated therewith.

(g) **“Obligations”** shall mean: all (a) principal of and premium, if any, on the Loans, (b) LC Obligations and other obligations of Obligors with respect to Letters of Credit, (c) interest, expenses, fees, indemnification obligations, Extraordinary Expenses, and other amounts payable by Obligors under Loan Documents, (d) Secured Bank Product Obligations, and (e) other Debts, obligations and liabilities of any kind owing by Obligors pursuant to the Loan Documents, whether now existing or hereafter arising, whether evidenced by a note or other writing, whether allowed in any Insolvency Proceeding, whether arising from an extension of credit, issuance of a letter of credit, acceptance, loan, guaranty, indemnification or otherwise, and whether direct or indirect, absolute or contingent, due or to become due, primary or secondary, or joint or several.

(h) **“Patent”** shall mean any United States or foreign patent to which a Grantor now or from time to time hereafter has title, including any divisions, continuations, reissues, reexaminations, or extensions thereof, all inventions or improvements covered by the claims thereof, any application for a United States or foreign patent now or hereafter made by a Grantor, and any rights provided by international treaty or convention with respect to any of the foregoing.

(i) **“Trade Secret Rights”** all material rights in all material trade secrets and proprietary information necessary to operate the business of a Grantor.

(j) **“UCC”** shall mean the Uniform Commercial Code, as enacted and in effect from time to time in the State of New York.

(k) **“URLs”** shall mean, in relation to a Grantor, all internet domain names that are used in connection with the business of such Grantor and that are owned or otherwise used by the Grantor.

(l) **“Works”** shall mean all of the works and other related products published pursuant to a contract or otherwise, including original and revised editions, and any and all existing works and works in progress, and regardless of whether such works are stored or published in print, electronic (including online) software or other media.

All other terms contained in this Intellectual Property Security Agreement shall, unless the context shall indicate otherwise, have the meanings provided for by the UCC, to the extent that

such other terms are used or defined therein. References to the Loan Agreement include any amendment, amendment and restatement, modification, supplement, restatement, replacement or refinancing (in whole or in part) thereof, addition or elimination of any credit facilities thereunder, extension of any term, addition or deletion of any party thereto, or otherwise.

2. **Grant of Security Interests.** To secure the prompt and complete payment and performance of all and each of the Obligations under the Loan Agreement and the other Loan Documents, as and when the same shall become due and payable, whether at stated maturity, by required prepayment, declaration, acceleration, demand or otherwise (including the payment of amounts that would become due and payable but for the operation of the automatic stay under the Bankruptcy Code), each Grantor hereby grants to the Administrative Agent, for the ratable benefit of the Lenders and the other Secured Parties, a continuing security interest in and Lien upon all of the rights, title and interests of such Grantor to, in and under all of its Intellectual Property (other than any “intent-to-use” application for registration of a Mark filed pursuant to Section 1(b) of the Lanham Act, 15 U.S.C. § 1051, until such time as a “Statement of Use” pursuant to Section 1(d) of the Lanham Act or of an “Amendment to Allege Use” pursuant to Section 1(c) of the Lanham Act is filed with the United States Patent and Trademark Office in connection with such “intent-to-use” application).

3. **Representations and Warranties.** Each Grantor represents and warrants to the Administrative Agent that, as of the Closing Date, the Grantor does not have any ownership interest in, or title to, any registered Mark, Mark application, Patent, Patent application, registered Copyright or Copyright application, except as set forth in Schedule I, Schedule II and Schedule III hereto. This Intellectual Property Security Agreement is effective to create valid and continuing security interests in and Liens upon, and, upon the recording hereof with the United States Patent and Trademark Office and the United States Copyright Office, and any similar office or agency in foreign jurisdictions, and the filing of appropriate financing statements in the State of organization of each Grantor, perfected Liens in favor of the Administrative Agent on, such Grantor’s United States Marks, Patents, and Copyrights, to the extent such perfection can be achieved by making such filings; and such perfected security interests and Liens shall be enforceable as such as against any and all creditors of or purchasers from such Grantor.

4. **Loan Agreement.** The security interests and Liens granted by the Grantors to the Administrative Agent pursuant to this Intellectual Property Security Agreement are granted in conjunction with the security interests and Liens granted by the Grantors to the Administrative Agent pursuant to the Loan Agreement. The Grantors and the Administrative Agent expressly agree that each of the security interests and Liens granted under this Intellectual Property Security Agreement and the Loan Agreement in the Intellectual Property are intended to be treated as a single security interest for purposes of Article 9 of the UCC and other applicable law. The exercise by the Administrative Agent of any rights or remedies with respect to any of the Intellectual Property shall be deemed to be an exercise of such rights or remedies in connection with both this Intellectual Property Security Agreement and also the Loan Agreement. In the event of any inconsistency between the terms and conditions of this Intellectual Property Security Agreement and the Loan Agreement, then the terms and conditions of the Loan Agreement shall prevail.

5. **Reinstatement.** This Intellectual Property Security Agreement shall remain in full force and effect and continue to be effective in the event that any petition shall be filed by or against any Grantor for liquidation or reorganization, should any Grantor become insolvent or make an assignment for the benefit of any creditor or creditors or should a receiver or trustee be appointed for all or any significant part of any Grantor's assets, and shall continue to be effective or be reinstated, as the case may be, if at any time payment and performance of the Obligations under the Loan Agreement, or any part thereof, is, pursuant to applicable law, rescinded or reduced in amount, or must otherwise be restored or returned, whether as a "voidable preference," "fraudulent conveyance," or otherwise, all as though such payment or performance had not been made. In the event that any payment, or any part thereof, is rescinded, reduced, restored or returned, the Obligations under the Loan Agreement shall be reinstated and shall be deemed reduced only by such amount paid in cash and not so rescinded, reduced, restored or returned.

6. **Notices.** Except as otherwise provided herein, whenever it is provided herein that any notice, demand, request, consent, approval, declaration or other communication shall or may be given to or served upon any of the parties hereto by any other party hereto, or whenever any of the parties hereto desires to give and serve upon any other party hereto any communication with respect to this Intellectual Property Security Agreement, each such notice, demand, request, consent, approval, declaration or other communication shall be in writing and shall be given in the manner, and deemed received, as provided for in the notice provisions of the Loan Agreement.

7. **Termination; Release.**

(a) Subject always to Section 5 hereof, this Intellectual Property Security Agreement shall terminate upon payment in full of the Obligations and termination of the Commitments. Upon payment in full of the Obligations and termination of the Commitments, the Administrative Agent shall, at the sole cost and expense of the Grantors, promptly execute and deliver to the Grantors such documents as the Grantors shall reasonably request to evidence the termination of the Liens created hereby.

(b) In the event that any part of the Collateral is sold in connection with a sale permitted by the Loan Agreement or otherwise released at the direction of the Administrative Agent (or the Lenders, if required) or in accordance with the terms of the Loan Agreement, and the proceeds of such sale or sales or from such release are applied in accordance with the terms of the Loan Agreement, to the extent required to be so applied, such Collateral will be sold free and clear of the Liens created by this Intellectual Property Security Agreement, and the Administrative Agent, at the request and expense of the Grantors, will execute and deliver to the Grantors a proper instrument or instruments (including Uniform Commercial Code termination statements and Lien releases recordable with the United States Patent and Trademark Office or the United States Copyright Office, as applicable) and will duly assign, transfer and deliver to the Grantors (without recourse, and without any representation or warranty) such of the Collateral covered by this Intellectual Property Security Agreement as is then being (or has been) so sold or released and as may be in the possession of the Administrative Agent and has not theretofore been released pursuant to this Intellectual Property Security Agreement.

8. **Choice of Law And Venue; Jury Trial Waiver.** THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT SHALL BE GOVERNED BY THE LAWS OF THE STATE OF NEW YORK. EACH OF THE ADMINISTRATIVE AGENT AND THE GRANTORS ACKNOWLEDGES THAT THE RIGHT TO TRIAL BY JURY IS A CONSTITUTIONAL ONE, BUT THAT IT MAY BE WAIVED. EACH OF THEM, AFTER CONSULTING OR HAVING HAD THE OPPORTUNITY TO CONSULT WITH COUNSEL OF THEIR CHOICE, KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVES ANY RIGHT ANY OF THEM MAY HAVE TO A TRIAL BY JURY IN ANY LITIGATION BASED UPON OR ARISING OUT OF THIS AGREEMENT OR ANY RELATED INSTRUMENT OR LOAN DOCUMENT OR ANY OF THE TRANSACTIONS CONTEMPLATED BY THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT OR ANY OF THE OTHER LOAN DOCUMENTS OR ANY COURSE OF CONDUCT, DEALING, STATEMENTS (WHETHER ORAL OR WRITTEN), OR ACTION OF ANY OF THEM. EACH OF THE PARTIES HERETO HEREBY AGREES TO BE BOUND BY THE PROVISIONS SET FORTH IN SECTION 14.15 AND SECTION 14.16 OF THE LOAN AGREEMENT, WHICH PROVISIONS ARE HEREBY INCORPORATED HEREIN BY REFERENCE WITH THE SAME FULL FORCE AND EFFECT AS IF SET FORTH HEREIN IN FULL.

9. **Expenses.** In the event that any Grantor shall fail to comply with the provisions of this Intellectual Property Security Agreement or any other Loan Document, such that the value of any Intellectual Property or the validity, perfection, rank or value of any Liens created hereunder is thereby materially diminished or potentially materially diminished or put at risk, the Administrative Agent may, but shall not be required to, effect such compliance on behalf of such Grantor, and the Grantors shall reimburse the Administrative Agent for all of the reasonable costs and expenses thereof on demand by the Administrative Agent.

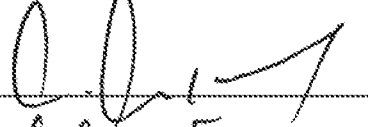
10. **Delivery by Facsimile or Email.** Delivery of the signature pages to this Intellectual Property Security Agreement by facsimile, an encrypted email or email file attachment shall be as effective as delivery of manually executed counterparts of this Intellectual Property Security Agreement.

*[The remainder of this page has been intentionally left blank.]*

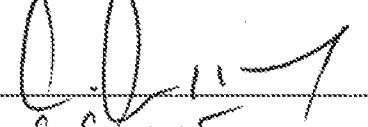


IN WITNESS WHEREOF, the Grantors have caused this INTELLECTUAL PROPERTY SECURITY AGREEMENT to be executed and delivered by its duly authorized officer or other representative as of the date first set forth above.


**GRANTORS:**  
**AGY HOLDING CORP.**

By:   
Name: C. CUNNIFF  
Title: VP TREASURER & SECRETARY

**AGY AIKEN LLC**

By:   
Name: C. CUNNIFF  
Title: VP TREASURER & SECRETARY

**AGY HUNTINGDON LLC**

By:   
Name: C. CUNNIFF  
Title: VP TREASURER & SECRETARY

**ADMINISTRATIVE AGENT:**  
**UBS AG, STAMFORD BRANCH**

By: \_\_\_\_\_  
Name:  
Title:

By: \_\_\_\_\_  
Name:  
Title:

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**GRANTORS:**  
**AGY HOLDING CORP.**

By: \_\_\_\_\_  
Name:  
Title:

**AGY AIKEN LLC**

By: \_\_\_\_\_  
Name:  
Title:

**AGY HUNTINGDON LLC**

By: \_\_\_\_\_  
Name:  
Title:

**ADMINISTRATIVE AGENT:**  
**UBS AG, STAMFORD BRANCH**

By: Mary E. Evans  
Name:  
Title:

Mary E. Evans  
Associate Director  
Banking Products  
Services, US

By: Irja R. Otsa  
Name:  
Title:

Irja R. Otsa  
Associate Director  
Banking Products  
Services, US

**Schedule I**

**Trademarks; Trademark Licenses**

See attached.

## AGY Holding Corp.

Printed: 5/31/2012

Trademark Report By Country  
Search Criteria

Status	ACTIVE
ClientID	033976

REFERENCE #	MARK	FILED	APP #	REG DT	REG #	STATUS	CLASSES
<b>AUSTRALIA</b>							
T033976-000191	BETA	09/02/1963	182606	09/02/1963	182606	REGISTERED	023, 024
<b>BENELUX</b>							
T033976-77	S GLASS	07/22/1975	333 971	07/24/1975	333 971	REGISTERED	21, 23
<b>BRAZIL</b>							
T033976-80	AGY	03/26/1999	821520555	10/01/2002	821520555	REGISTERED	21
T033976-81	AGY	03/26/1999	821520547	10/01/2002	821520547	REGISTERED	22
<b>CANADA</b>							
T033976-85	ADVANCED GLASSFIBER YARNS	11/05/1998	895 408	08/21/2000	TMA531,544	REGISTERED	NA
T033296-86	AGY	11/05/1998	895 409	03/07/2000	TMA524,401	REGISTERED	nas
T033976-87	BETA	09/13/1963	277,795	10/08/1965	TMA142,166	REGISTERED	NA
T033976-88	S-2 GLASS	04/14/1998	875 017	01/27/2000	TMA522,368	REGISTERED	n/a
T033976-89	VeTron (Stylized)	07/24/2003	1 185 525	01/04/2005	TMA629,229	REGISTERED	n/a
T033976-90	ZENTRON	02/28/1996	080569400	04/26/2001	TMA544192	REGISTERED	NA0
<b>CHINA</b>							
T033976-000224	AGY	05/27/2010	8336256	10/21/2011	8336256	REGISTERED	21
T033976-000225	AGY	05/27/2010	8336255	07/21/2011	8336255	REGISTERED	22
T033976-000210	AGY & Design	06/30/2009	7507905			PENDING	022
T033976-000209	AGY & Design	06/30/2009	7507906			PENDING	021
T033976-000211	AGY (in Chinese characters)	06/26/2009	7500783	10/28/2010	7500783	REGISTERED	021
T033976-000212	AGY (in Chinese characters)	06/26/2009	7500782	11/14/2010	7500782	REGISTERED	022
T033976-257	AGY S-1 GLASS	08/23/2011	9878899			PENDING	021
T033976-000226	AGY S-2 GLASS	07/03/2009	7517333	04/07/2012	7517333	REGISTERED	21
T033976-000227	AGY S-2 GLASS	07/03/2009	7517332	11/07/2010	7517332	REGISTERED	22
T033976-000228	AGY S-2 GLASS	07/03/2009	7517334	02/07/2012	7517334	REGISTERED	23
T033976-252	AGY S-3 GLASS	05/04/2011	9418678			PENDING	021
T033976-160	BETA	03/06/2007	5931623			PENDING	23
T033976-248	FEATHERLIGHT	04/19/2011	9357663			PENDING	021
T033976-251	QUICKSILVER	04/19/2011	9357664			PENDING	021
<b>EUROPEAN UNION</b>							
T033976-000192	AGY	07/24/2008	007089782	02/10/2009	007089782	REGISTERED	021, 022
T033976-258	AGY FEATHERLIGHT	11/22/2011	010433753	04/10/2012	010433753	REGISTERED	021
T033976-249	QUICKSILVER	05/19/2011	009979501	10/20/2011	009979501	REGISTERED	021
T033976-000186	S-1 GLASS	03/21/2008	006771745	10/31/2008	006771745	REGISTERED	021
T033976-100	S-2 GLASS	02/23/1998	00765503	05/19/2000	00765503	REGISTERED	21, 22
T033976-000185	S-3 GLASS	03/21/2008	006771786	11/03/2008	006771786	REGISTERED	021
T033976-000193	S-SERIES	09/03/2008	007209075	03/12/2009	007209075	REGISTERED	021
T033976-101	ZENTRON	10/15/1996	391326	08/03/1998	391326	REGISTERED	21

TRADEMARK

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REEL: 005026 FRAME: 0528

REFERENCE #	MARK	FILED	APP #	REG DT	REG #	STATUS	CLASSES
<b>FINLAND</b>							
T033976-104	BETA	09/09/1963	2832/63	01/05/1966	45747	REGISTERED	23, 24
<b>FRANCE</b>							
T033976-107	BETA	08/05/1963	1 479 378	07/05/1963	1 479 378	REGISTERED	000, 23, 24
<b>GERMANY</b>							
T033976-109	AGY	10/15/1998	39859490.2	04/20/1999	398 59 490	REGISTERED	21, 22
T033976-110	BETA	07/24/1963	O 4722	07/12/1966	821630	REGISTERED	23, 24, 26
<b>HONG KONG</b>							
T033976-000215	AGY	06/08/2009	301358956	06/08/2009	301358956	REGISTERED	21, 22
T033976-000216	AGY (in Chinese characters)	06/08/2009	301358974	06/08/2009	303158974	REGISTERED	21, 22
T033976-000221	AGY and Design	06/08/2009	301358965	06/08/2009	301358965	REGISTERED	21, 22
<b>JAPAN</b>							
T033976-233	AGY	10/19/2009	2009-079002	11/19/2010	5369438	REGISTERED	021, 022
T033976-000219	AGY & Design	06/08/2009	2009-042518	01/14/2011	5383131	REGISTERED	021, 022
T033976-000220	AGY (in Chinese Characters)	06/08/2009	2009-042519	02/05/2010	5299565	REGISTERED	021, 022
T033976-122	BETA	06/12/1995	7-58525	07/25/1997	3335509	REGISTERED	22
T033976-247	FEATHERLIGHT	03/28/2011	2011-21657	11/11/2011	5450246	REGISTERED	021
T033976-250	QUICKSILVER	03/28/2011	2011-21658			PENDING	021
T033976-000194	S-SERIES	09/18/2008	2008-076546	04/10/2009	5222296	REGISTERED	021
T033976-123	ZENTRON	01/27/2000	2000-5159	04/27/2001	4470963	REGISTERED	17, 22
<b>MEXICO</b>							
T033976-000196	AGY	03/26/2009	997957	10/28/2009	1128070	REGISTERED	021
T033976-000197	AGY	03/26/2009	997958	10/28/2009	1128071	REGISTERED	022
<b>NEW ZEALAND</b>							
T033976-129	BETA	08/04/1964	76471	09/15/1966	76471	REGISTERED	24
T033976-130	BETA	08/04/1964	76470	11/24/1966	76470	REGISTERED	22
<b>NORWAY</b>							
T033976-132	AGY	01/22/1999	19900782	06/10/1999	197978	REGISTERED	21, 22
<b>SOUTH KOREA</b>							
T033976-000223	AGY	06/23/2009	29496/2009	08/12/2010	832852	REGISTERED	021, 022
T033976-000217	AGY & Design	06/23/2009	29497/2009	08/12/2010	832853	REGISTERED	021, 022
T033976-000218	AGY (in Chinese characters)	06/12/2009	27540/2009	07/30/2010	40-0831501	REGISTERED	021, 022
<b>SWITZERLAND</b>							
T033976-140	AGY	10/29/1998	08930/1998	05/12/1999	461 246	REGISTERED	21, 22
<b>TAIWAN</b>							
T033976-143	AGY	12/01/1999	88001819	12/01/1999	876993	REGISTERED	21
T033976-144	AGY	01/16/1999	88001820	10/16/1999	872203	REGISTERED	22
T033976-000213	AGY & Design	06/26/2009	098027550	01/01/2011	1447883	REGISTERED	021, 022
T033976-000214	AGY (in Chinese characters)	06/26/2009	098027555	04/01/2010	1404355	REGISTERED	021, 022
T033976-000230	AGY (in Traditional Chinese characters)	07/17/2009	098030998	04/16/2010	1406824	REGISTERED	021, 022

REFERENCE #	MARK	FILED	APP #	REG DT	REG #	STATUS	CLASSES
<b>UNITED KINGDOM</b>							
T033976-146	BETA	05/13/1963	852565	05/13/1963	852565	REGISTERED	23
T033976-147	BETA	08/23/1963	853281	08/23/1963	853281	REGISTERED	24
T033976-148	BETA	05/13/1963	852564	05/13/1963	852564	REGISTERED	22
<b>UNITED STATES</b>							
T033976-059	AGY	02/25/2004	78/373,768	12/20/2005	3,032,998	REGISTERED	021, 022
T033976-060	AGY and Design	02/25/2004	78/373,839	11/29/2005	3,021,917	REGISTERED	21, 22
T033976-244	FEATHERLIGHT	03/07/2011	85/259,818	02/14/2012	4,098,218	REGISTERED	021
T033976-245	QUICKSILVER	03/07/2011	85/259,826	02/14/2012	4,098,219	REGISTERED	021
T033976-181	S-1 GLASS	02/22/2008	77/404,104	11/08/2011	4,053,348	REGISTERED	021
T033976-155	S-2 GLASS	10/20/2006	77/026,141	08/12/2008	3,482,929	REGISTERED	021
T033976-180	S-3 GLASS	02/22/2008	77/404,115	11/08/2011	4,053,349	REGISTERED	021
T033976-189	S-SERIES	03/18/2008	77/424,558	11/29/2011	4,063,643	REGISTERED	021
T033976-156	ZENTRON	10/20/2006	77/026,031	08/14/2007	3,278,827	REGISTERED	021

END OF REPORT

TOTAL ITEMS SELECTED =

73

**Schedule II**  
**Patents; Patent Licenses**

See attached.

**Patent Report By Invention  
Search Criteria**

ClientID	033976
Status	ACTIVE

**Display Options**

Inventors	All
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COUNTRY	REFERENCE #	TYPE	FILED	SERIAL #	ISSUED	PATENT #	STATUS
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**ALKALINE RESISTANT PHOSPHATE GLASSES AND METHOD OF PREPARATION  
AND USE THEREOF**

Inventors: Richard K. Brow, Signo T. Reis, Mariano Velez, Delbert E. Day

UNITED STATES	033976-000158	FCA	03/30/2007	11/693,863	01/26/2010	7,651,966	ISSUED
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**Ballistic Materials**

Inventors: Phra Douglas Lyle

UNITED STATES	033976-000152NP	FCA	03/05/2008	12/042,430			PENDING
MEXICO	033976-000231	DCA	03/05/2008	MX/a/2009/009476			PENDING
EUROPEAN PATENT CO	033976-000232	DCA	03/05/2008	08731390.4			PUBLISHED

**CONTINUOUS FILAMENT MAT BINDER SYSTEM**

Inventors: Adrian C. Lane, Jeffrey L. Antle

EUROPEAN PATENT CO	033976-000170	DCA	02/28/2003	03711345.3	02/23/2003	1483315	ISSUED
CHINA	033976-000171	DCA	02/28/2003	03805487.6	07/26/2006	ZL03805487.6	ISSUED
CANADA	033976-000172	DCA	02/28/2003	2,478,590	04/05/2011	2,478,590	ISSUED
BRAZIL	033976-000173	DCA	02/28/2003	PI 0308065-0			PENDING
ITALY	033976-000176	DCA	02/28/2003	03711345.3	02/15/2006	1483315	ISSUED
UNITED KINGDOM	033976-000177	DCA	02/28/2003	03711345.3	02/15/2006	1483315	ISSUED
FRANCE	033976-000178	DCA	02/28/2003	03711345.3	02/15/2006	1483315	ISSUED
GERMANY	033976-000179	DCA	02/28/2003	60303593.0-08	02/15/2006	60303593.0-08	ISSUED
UNITED STATES	033976-000168	FCA	03/07/2003	10/383,372	08/01/2006	7,083,855	ISSUED
INDIA	033976-000174	DCA	08/19/2004	01206/KOLNP/04	01/14/2009	227632	ISSUED

**GLASS COMPOSITION WITH LOW COEFFICIENT OF THERMAL EXPANSION, AND  
GLASS FIBER PRODUCED FROM SAME**

Inventors: Sudhendra Venkatesh Hublikar, Robert L. Hausrath, Anthony V. Longobardo

TAIWAN	033976-000260	CEQ	01/10/2012	101100967			PENDING
UNITED STATES	033976-000259	FCA	01/11/2012	13/348,073			PENDING
WIPO	033976-000261	CEQ	01/11/2012	PCT/US2012/0209 00			PENDING

**HIGH STRENGTH GLASS COMPOSITION AND FIBERS**

Inventors: Robert L. Hausrath, Anthony V. Longobardo

UNITED STATES	033976-000241	NEW	12/22/2010	12/976,261			PENDING
WIPO	033976-000242	CEQ	12/22/2010	PCT/US2010/0618 10			PENDING

**Low Dielectric Glass Fiber**

Inventors: Douglas S. Boessneck, J. Ronald Gonterman, Oleg A. Prokhorenko

UNITED STATES	033976-000164	NEW	10/26/2006	11/586,789	03/16/2010	7,678,721	ISSUED
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COUNTRY	REFERENCE #	TYPE	FILED	SERIAL #	ISSUED	PATENT #	STATUS
TAIWAN	033976-000165	CEQ	10/25/2007	096140094			PUBLISHED
EUROPEAN PATENT CO	033976-000200	DCA	10/26/2007	07854439.2			PUBLISHED
CHINA	033976-000201	DCA	10/26/2007	200780048402.7			PUBLISHED
MEXICO	033976-000202	DCA	10/26/2007	MX/a/2009/004445	12/21/2010	282398	ISSUED
CANADA	033976-000203	DCA	10/26/2007	2,667,439			PUBLISHED
SOUTH KOREA	033976-000204	DCA	10/26/2007	2009-7008658	01/03/2012	10-1104130	ISSUED
JAPAN	033976-000205	DCA	10/26/2007	2009-534882			PUBLISHED
INDIA	033976-000207	DCA	10/26/2007	1541/KOLNP/2009			PENDING
UNITED STATES	033976-000199	DCA	04/27/2009	12/447,393			PUBLISHED
HONG KONG	033976-000235	CEQ	01/08/2010	10100181.7			PUBLISHED

### METHOD AND APPARATUS FOR CONTROLLING HEATING AND COOLING IN SEGMENTS OF A FIBER GLASS BUSHING

Inventors: Varrasso, Eugene C., Sanik, Paul S.

UNITED STATES	033976-000056	NEW	01/20/1998	09/009,478	01/02/2001	6,167,728	ISSUED
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### METHOD AND APPARATUS FOR CONTROLLING HEATING AND COOLING IN SEGMENTS OF A FIBER GLASS BUSHING

Inventors: Varrasso, Eugene C., Sanik, Paul S.

UNITED STATES	033976-000057	NEW	12/17/1999	09/464,817	01/23/2001	6,177,656	ISSUED
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### METHOD FOR CONTROLLING HEATING AND COOLING IN SEGMENTS AT A FIBER GLASS BUSHING

Inventors: Varrasso, Eugene C., Sanik, Paul S.

FRANCE	033976-000036	CEQ	10/12/1995	95938141.9	04/21/1999	0785914	ISSUED
UNITED STATES	033976-000041	NEW	10/16/1996	08/734,421	07/28/1998	5,785,728	ISSUED

### SIZING COMPOSITION, GLASS STRAND, AND FABRIC

Inventors: Tingdong Lin, Donald Bruce Ogilvie, Sudhendra Venkatesh Hublikar

UNITED STATES	033976-000253	FCA	08/19/2011	13/213,428			PUBLISHED
WIPO	033976-000255	CEQ	08/19/2011	PCT/US11/48389			PUBLISHED
TAIWAN	033976-000254	CEQ	08/26/2011	100130788			PUBLISHED

### ZERO TWIST YARN HAVING PERIODIC FLAT SPOTS

Inventors: Smith, Roy E.

UNITED STATES	033976-000031	NEW	07/16/1996	08/683,005	03/24/1998	5,731,084	ISSUED
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END OF REPORT

TOTAL ITEMS SELECTED

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**Schedule III**

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None.