

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4289021

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WILMINGTON TRUST, NATIONAL ASSOCIATION	02/08/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HEXION INC.
<b>Street Address:</b>	180 EAST BROAD STREET
<b>City:</b>	COLUMBUS
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	43215
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9499672
<b>Application Number:</b>	14786122
<b>Application Number:</b>	14968488
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(800)494-7512
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	800-494-5225
<b>Email:</b>	ipteam@nationalcorp.com
<b>Correspondent Name:</b>	STEWART WALSH
<b>Address Line 1:</b>	1025 VERMONT AVE NW, SUITE 1130
<b>Address Line 2:</b>	NATIONAL CORPORATE RESEARCH, LTD
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	F168316 PR 037639_0669
<b>NAME OF SUBMITTER:</b>	SONYA JACKMAN
<b>SIGNATURE:</b>	/Sonya Jackman/
<b>DATE SIGNED:</b>	02/23/2017
<b>Total Attachments: 23</b>	
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RELEASE OF PATENT SECURITY INTEREST

This RELEASE OF PATENT SECURITY INTEREST, dated as of February 8, 2017 (this "Release"), is made by WILMINGTON TRUST, NATIONAL ASSOCIATION (successor by merger to Wilmington Trust FSB), in its capacity as Collateral Agent (the "Releasor"), in favor of HEXION INC. (formerly known as Hexion Specialty Chemicals Inc. and as Momentive Specialty Chemicals, Inc.) (in such capacity, "Hexion"), Hexion Investments Inc. (formerly known as Momentive Specialty Chemicals Investments, Inc. and as Borden Chemical Investments, Inc. ("Hexion Investments"), HSC Capital Corporation ("HSC"), Lawter International Inc. ("Lawter"), Hexion International Inc. (formerly known as Borden Chemical International Inc. and as Momentive International Inc.) ("Hexion International"), Oilfield Technology Group, Inc. ("Oilfield"), Hexion CI Holding Company (China) LLC (formerly known as Momentive CI Holding Company (China) LLC) ("Hexion China"), and Hexion Nova Scotia Finance, ULC ("Hexion NS"), as applicable. Each of Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China, Hexion NS and Hexion (in its capacity as successor by merger to Hexion U.S. Finance Corp) are referred to herein as a "Hexion Subsidiary" and, collectively, as the "Hexion Subsidiaries."

WHEREAS, reference is made to (i) that certain Indenture, dated as of January 29, 2010 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Indenture"), among Hexion, Hexion Finance Escrow LLC, Hexion Escrow Corporation, the subsidiaries of Hexion party thereto and the Releasor (as assumed by Hexion U.S. Finance Corp. and Hexion Nova Scotia Finance ULC pursuant to that certain Supplemental Indenture dated as of January 29, 2010) and (ii) that certain Collateral Agreement, dated as of January 29, 2010 (as amended, supplemented or otherwise modified from time to time, the "Collateral Agreement"), among Hexion, each subsidiary of Hexion party thereto and the Releasor as Collateral Agent. Capitalized terms used herein but not defined herein shall have the meanings ascribed to them in the Indenture;

WHEREAS, pursuant to and as set forth in the documents recorded with the United States Patent and Trademark Office ("USPTO");

(i) on January 29, 2010 in Reel No. 023963, Frame No. 0038, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield and Hexion China;

(ii) on September 16, 2010 in Reel No. 025001, Frame No. 0893, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield and Hexion China;

(iii) on September 29, 2010 in Reel No. 025063, Frame No. 0776, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield and Hexion China;

(iv) on March 9, 2011 in Reel No. 025920, Frame No. 0382, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield and Hexion China;

(v) on July 5, 2011 in Reel No. 026545, Frame No. 0791, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(vi) on July 5, 2011 in Reel No. 026545, Frame No. 891, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(vii) on December 12, 2011 in Reel No. 027371, Frame No. 0024, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(viii) on December 12, 2011 in Reel No. 027371, Frame No. 0038, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(ix) on April 23, 2012 in Reel No. 028086, Frame No. 0583, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(x) on August 17, 2012 in Reel No. 028801, Frame No. 0617, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(xi) on August 17, 2012 in Reel No. 028802, Frame No. 0001, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(xii) on August 23, 2013 in Reel No. 031076, Frame No. 0159, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(xiii) on August 23, 2013 in Reel No. 031076, Frame No. 0285, made by Hexion, BCF, Hexion Investments, HSC, Lawter, Hexion International, Oilfield, Hexion China and Hexion NS;

(xiv) on October 11, 2013 in Reel No. 031395, Frame No. 0630, made by Hexion;

(xv) on January 31, 2014 in Reel No. 032145, Frame No. 0858, made by Hexion;

(xvi) on April 25, 2014 in Reel No. 032760, Frame No. 0303, made by Hexion;

(xvii) on August 20, 2014 in Reel No. 033577, Frame No. 0542, made by Hexion;

(xviii) on October 22, 2014 in Reel No. 034003, Frame No. 0145, made by Hexion;

(xix) on February 16, 2015 in Reel No. 034967, Frame No. 0747, made by Hexion;

(xx) on June 8, 2015 in Reel No. 035848, Frame No. 0705, made by Hexion;

(xxi) on July 24, 2015 in Reel No. 036177, Frame No. 0574, made by Hexion;

(xxii) on October 19, 2015 in Reel No. 036822, Frame No. 0625, made by Hexion;

(xxiii) on February 2, 2016 in Reel No. 037639, Frame No. 0669, made by Hexion; and

(xxiv) on April 25, 2016 in Reel No. 038366, Frame No. 0534, made by Hexion (each of (i) through (xxiv), a "Patent Security Agreement" and collectively with the Collateral Agreement, the "Security Agreements"), Hexion and, as applicable, each Hexion Subsidiary party thereto granted to the Releasor a security interest in and continuing lien on (referred to in this Release as the "Security Interest") all of its respective right, title and interest in, to or under the Patent Collateral (as defined therein), including the United States patents and patent applications listed on Schedule I hereto and all reissues, continuations, divisions, continuations-in-part, renewals or extensions thereof, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein;

WHEREAS, pursuant to the terms of the Indenture and Collateral Agreement, the Releasor has agreed to terminate and release its Security Interest with respect to the Patent Collateral.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

1. Release of Lien. The Releasor hereby (i) unconditionally, irrevocably and absolutely terminates, extinguishes, cancels, releases and forever discharges its Security Interest and all of its right, title and interest in or to the Patent Collateral pledged and granted pursuant to the Security Agreements and (ii) terminates the Security Agreements and reassigns to Hexion (or, as applicable, the relevant Hexion Subsidiary) any and all right, title and interest that the Releasor may have in or to any of the Patent Collateral.

2. Authorization to Record. The Releasor authorizes and requests that the USPTO and any applicable government officer record this Release with the USPTO.

3. Further Assurances. The Releasor agrees to cooperate with Hexion and, solely at the expense of Hexion, to provide Hexion with such information and additional authorization and to execute and deliver to Hexion such additional instruments and to take such action, in each case, as Hexion may reasonably request or as may be desirable

to effect and record with the USPTO the release of the Releasor's Security Interest in or to the Patent Collateral.

4. Governing Law. This Release shall be construed in accordance with and governed by the laws of the State of New York.

[Signature Page Follows]

IN WITNESS WHEREOF, the Releasor has caused this Release of Trademark Security Interest to be executed and delivered by its duly authorized officer as of the date first above written.

WILMINGTON TRUST, NATIONAL  
ASSOCIATION, in its capacity as the Collateral  
Agent

By:

  
Name: **Jane Schweiger**  
Title: **Vice President**

*[Signature Page to Release of Patent Security Interest]*

**PATENT**  
**REEL: 041795 FRAME: 0082**

**Schedule I**  
**to**  
**Release of Patent Security Interest**

Released Patents

<b>Security Interest PTO Reel/Frame</b>	<b>Patent No.</b>	<b>Application No.</b>	<b>Patent Title</b>
038366/0534	N/A	14989361	PROCESS FOR THE MANUFACTURE OF ALPHA, ALPHA-BRANCHED CARBOXYLIC ACID VINYL ESTERS
038366/0534	N/A	15060411	EPOXY SYSTEMS FOR COMPOSITES
037639/0669	N/A	14786122	PROCESS FOR REMOVAL OF 1,2-EPOXY-5-HEXENE FROM EPICHLOROHYDRIN
037639/0669	9499672	14943943	METHODS FOR PREPARING STABLE UREA FORMALDEHYDE POLYVINYL ALCOHOL COLLOIDS
037639/0669	N/A	14968488	GAS SCAVENGERS
036822/0625	N/A	14831586	CURING COMPOSITIONS AND METHODS OF PREPARING
036822/0625	N/A	14863054	SILANE FUNCTIONALIZED COMPOUNDS AND COMPOSITIONS THEREOF
036177/0574	9371300	14434609	CATALYTIC EPOXIDATION PROCESS
036177/0574	N/A	14648885	PROCESS TO PRODUCE POLYVINYL-ESTER COMPOSITIONS WITH LOW RESIDUAL MONOMER AND THE USE THEREOF
036177/0574	N/A	14713950	RESIN-POLYESTER BLEND BINDER COMPOSITIONS, METHOD OF MAKING SAME AND ARTICLES MADE THEREFROM
036177/0574	N/A	14739612	DUST REDUCING TREATMENT FOR PROPPANTS DURING HYDRAULIC FRACTURING OPERATIONS
035848/0705	9404014	14418723	EPOXY RESINS AND SILANE AQUEOUS CO-DISPERSIONS AND THE USES THEREOF
035848/0705	N/A	14427585	AQUEOUS POLYURETHANE DISPERSION DERIVED FROM TERTIARY ALKENYL GLYCIDYL ESTERS
035848/0705	9550894	14610852	COMPOSITIONS AND METHODS FOR MAKING POLYESTERS AND ARTICLES THEREFROM
035848/0705	N/A	14626782	DIESEL FUEL ADDITIVE
035848/0705	N/A	14642285	POLYMERS, COMPOSITES, AND METHODS FOR MAKING POLYMERS AND COMPOSITES
027371/0038	N/A	13146447	PROCESS FOR THE PREPARATION OF AN ALLYL ALKYL ETHER BY CATALYTIC ALLYLATION
027371/0038	N/A	13202076	CERAMIC PRODUCT
027371/0038	8932401	13214745	SIZING AND RHEOLOGY AGENTS FOR GYPSUM STUCCO SYSTEMS FOR WATER RESISTANT PANEL PRODUCTION
027371/0038	8968466	13214858	SIZING AND RHEOLOGY AGENTS FOR GYPSUM STUCCO SYSTEMS FOR WATER RESISTANT PANEL PRODUCTION
027371/0024	8392120	13093296	METHOD AND TOOL FOR DETERMINATION OF FRACTURE GEOMETRY IN SUBTERRANEAN FORMATIONS BASED ON

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**PATENT**  
**REEL: 041795 FRAME: 0083**



Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			IN-SITU NEUTRON ACTIVATION ANALYSIS
027371/0024	N/A	13131217	COATED REINFORCEMENT AND METHOD FOR PRODUCING SAME
027371/0024	N/A	13140338	POWDER COATING COMPOSITIONS FOR LOW TEMPERATURE CURING AND HIGH FLOW
027371/0024	N/A	13160964	EPOXY SYSTEMS FOR COMPOSITES
026545/0891	N/A	13050639	MAIN-CHAIN BENZOXAZINE OLIGOMER COMPOSITIONS, AND METHOD FOR THE PREPARATION THEREOF
026545/0891	8729282	13056793	PROCESS FOR THE MANUFACTURE OF A 1,2-EPOXIDE
026545/0891	8802873	13056835	PROCESS FOR THE MANUFACTURE OF EPICHLOROHYDRIN
026545/0791	N/A	12941597	METHODS AND COMPOSITIONS FOR DETERMINATION OF FRACTURE GEOMETRY IN SUBTERRANEAN FORMATIONS
026545/0791	N/A	12963050	AMINO-FORMALDEHYDE RESINS, APPLICATIONS THEREOF AND ARTICLES MADE THEREFROM
026545/0791	8586704	12966616	EPOXY SYSTEMS AND AMINE POLYMER SYSTEMS AND METHODS FOR MAKING THE SAME
026545/0791	8580871	12966709	EPOXY SYSTEMS AND AMINE POLYMER SYSTEMS AND METHODS FOR MAKING THE SAME
025920/0382	9249251	12858096	NOVEL COMPOSITIONS AND METHODS TO PRODUCE TRIAZINE-ARYLHYDROXY-ALDEHYDE CONDENSATES WITH IMPROVED SOLUBILITY
025920/0382	8481765	12919637	METHOD FOR THE PRODUCTION OF EPICHLOROHYDRIN
028086/0583	N/A	13202076	CERAMIC PRODUCT
028086/0583	N/A	13274056	METHODS AND COMPOSITIONS FOR DETERMINATION OF FRACTURE GEOMETRY IN SUBTERRANEAN FORMATIONS
028086/0583	8802872	13377470	PROCESS FOR PREPARING GLYCIDYL ESTERS OF BRANCHED MONOCARBOXYLIC ACIDS
028801/0617	9243491	13364848	METHODS AND COMPOSITIONS FOR DETERMINATION OF FRACTURE GEOMETRY IN SUBTERRANEAN FORMATIONS
028801/0617	8802872	13377470	PROCESS FOR PREPARING GLYCIDYL ESTERS OF BRANCHED MONOCARBOXYLIC ACIDS
028801/0617	N/A	13400297	EXTENDED WAX COMPOSITION AND COMPOSITE PANELS PREPARED THEREWITH
028802/0001	8445590	13442695	COMPOSITIONS USEFUL FOR PREPARING COMPOSITES AND COMPOSITES PRODUCED THEREWITH
028802/0001	N/A	13453819	MODIFIER FOR CONCRETE AND CEMENT FORMULATIONS AND METHODS OF PREPARING THE SAME
028802/0001	8735613	13512167	PROCESS FOR THE MANUFACTURE OF PROPYLENE OXIDE
028802/0001	N/A	13524777	COMPOSITIONS AND METHODS FOR MAKING POLYESTERS AND ARTICLES THEREFROM
028802/0001	8980774	13524828	COMPOSITIONS AND METHODS FOR MAKING POLYESTERS AND ARTICLES THEREFROM

Schedule I-2

**PATENT**  
**REEL: 041795 FRAME: 0084**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
031076/0285	N/A	13766474	COMPOSITIONS USEFUL FOR PREPARING COMPOSITES AND COMPOSITES PRODUCED THEREWITH
031076/0285	N/A	13789276	CURING OR SEALING COMPOSITIONS FOR CONCRETE AND CEMENT FORMULATIONS AND PROCESSES FOR USING THE SAME
031076/0159	N/A	13880604	GLYCIDYL ESTERS OF ALPHA, ALPHA BRANCHED NEONONANOIC ACIDS, SYNTHESIS AND USES
031076/0159	N/A	13997309	GLYCIDYL ESTERS OF ALPHA, ALPHA BRANCHED ACIDS COMPOSITIONS
031076/0159	N/A	13997413	GLYCIDYL ESTERS OF ALPHA, ALPHA BRANCHED ACIDS COMPOSITIONS
031395/0630	N/A	13938855	FLAME RESISTANT COMPOSITE STRUCTURE
031395/0630	9475956	13967001	POWDER COATING COMPOSITIONS FOR LOW TEMPERATURE CURING AND HIGH FLOW
031395/0630	N/A	13968048	CURING OR SEALING COMPOSITIONS FOR CONCRETE AND CEMENT, AND METHODS FOR THE PREPARATIONS AND USE THEREOF
031395/0630	9404008	14000108	ELASTOMERIC POLYMER COMPOSITIONS FOR COATINGS AND SEALANTS
031395/0630	9260374	14007699	PROCESS FOR THE MANUFACTURE OF ALPHA, ALPHA-BRANCHED CARBOXYLIC ACID VINYL ESTERS
032145/0858	N/A	14044407	BONDING OR BINDING AGENTS FOR SOIL STABILIZATION OR MODIFICATION AND METHODS OF THEIR PREPARATION
032145/0858	9234077	14060944	EPOXY SYSTEMS AND AMINE POLYMER SYSTEMS AND METHODS FOR MAKING THE SAME
032145/0858	9234116	14061002	EPOXY SYSTEMS AND AMINE POLYMER SYSTEMS AND METHODS FOR MAKING THE SAME
032145/0858	9243171	14082776	PRESSURE SENSITIVE ADHESIVE COMPOSITONS
032145/0858	N/A	14116871	PRESSURE SENSITIVE ADHESIVE COPOLYMER COMPOSITIONS
032145/0858	9024048	14124989	APPARATUS AND METHODS TO PRESERVE CATALYST ACTIVITY IN AN EPOXIDATION PROCESS
032760/0303	9102640	14184412	PROCESS FOR THE MANUFACTURE OF A 1,2-EPOXIDE AND A DEVICE FOR CARRYING OUT SAID PROCESS
032760/0303	9388269	14202762	AMINO-FORMALDEHYDE RESINS AND APPLICATIONS THEREOF
033577/0542	9353208	14259884	METHOD FOR PREPARING A SOL-GEL RESIN
033577/0542	9453098	14260142	METHOD FOR PREPARING A SOL-GEL RESIN
033577/0542	9499692	14275093	COMPOSITES AND EPOXY RESINS BASED ON ARYL SUBSTITUTED COMPOUNDS
033577/0542	9227947	14285124	PROCESS FOR THE MANUFACTURE OF EPICHLOROHYDRIN
033577/0542	N/A	14352238	ACRYLIC POLYOL RESINS COMPOSITIONS

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**PATENT**  
**REEL: 041795 FRAME: 0085**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
033577/0542	N/A	14352243	POLYESTER POLYOL RESINS COMPOSITIONS
033577/0542	N/A	14352247	POLYETHER POLYOL RESINS COMPOSITIONS
033577/0542	N/A	14352258	ACRYLIC POLYOL RESINS COMPOSITIONS
033577/0542	N/A	14352264	POLYESTER POLYOL RESINS COMPOSITIONS
033577/0542	N/A	14352272	POLYETHER POLYOL RESINS COMPOSITIONS
033577/0542	9464152	14358784	FOAM MATERIAL ON THE BASIS OF PHENOLIC RESIN
034003/0145	9217046	14340277	METHODS FOR PREPARING STABLE UREA FORMALDEHYDE POLYVINYL ALCOHOL COLLOIDS
034003/0145	N/A	14374824	EPOXY RESIN FORMULATIONS FOR TEXTILES, MATS AND OTHER FIBROUS REINFORCEMENTS FOR COMPOSITE APPLICATIONS
034967/0747	9472126	14523380	PRESSURE SENSITIVE ADHESIVE COMPOSITONS
034967/0747	9550912	14576848	CURING AGENT FOR EPOXY COATINGS
023963/0038top	4242442	6086623	METHOD FOR PROCESSING SILVER HALIDE COLOR PHOTOGRAPHIC MATERIAL
023963/0038	4708994	6880260	ENGINEERING THERMOPLASTICS CONTAINING PENDANT BENZOCYCLOBUTENE GROUPS
023963/0038	5137990	7096812	HEAT-CURABLE POLYEPOXIDE-(METH)ACRYLATE ESTER COMPOSITIONS
023963/0038	4785884	7149569	CONSOLIDATION OF PARTIALLY CURED RESIN COATED PARTICULATE MATERIAL
023963/0038	4855340	7158019	STABILIZED EPOXY RESIN COMPOSITIONS
023963/0038	5458959	7263548	CHEMICAL COMPOSITION FOR IMPROVING THE WETTABILITY OF SYNTHETIC POLYMERIC MATERIALS FOR USE IN COMPOSITE APPLICATIONS, SYNTHETIC MATERIALS COATED THEREWITH AND COMPOSITES PRODUCED THEREFROM
023963/0038	5202051	7272287	STABILIZATION OF EPOXY/NITROPARAFFIN SOLUTIONS
023963/0038	4960956	7349544	MODIFIED BISPHENOLS HAVING AT LEAST ONE ARYLCYCLOBUTENEALKYL MOIETY AND CURED PRODUCTS THEREFROM
023963/0038	4960912	7466179	DISSYMMETRIC NEW POLUMER MATERIALS
023963/0038	4965331	7471032	CURABLE RESIN COMPOSITIONS
023963/0038	5110495	7508063	IMPROVED ORGANIC PEROXIDE DISPERSIONS
023963/0038	5061742	7524010	STABLE ACRYLIC COPOLYMER DISPERSIONS
023963/0038	5075155	7524350	NOVEL PREPREGS
023963/0038	5149730	7537316	EPOXY RESIN COMPOSITION
023963/0038	5141974	7537398	EPOXY RESIN COMPOSITION
023963/0038	5096983	7562206	A METHOD FOR MAKING A PHENOLIC RESOLE RESIN COMPOSITION HAVING EXTENDED WORK LIFE
023963/0038	5098965	7648778	PROCESS FOR PREPARING LOW-CHLORINE EPOXY RESINS

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**PATENT**  
**REEL: 041795 FRAME: 0086**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
023963/0038	5098964	7648780	PROCESS FOR PREPARING LOW-CHLORINE EPOXY RESINS
023963/0038	5137987	7668826	THERMOSETTABLE POLYOL RESINS
023963/0038	5146006	7722983	PROCESS FOR PREPARING TETRAPHENOLIC COMPOUNDS
023963/0038	5175250	7727457	STABILIZED ROSIN AND PROCESS FOR PRODUCTION AND USE THEREOF
023963/0038	5102702	7733424	BINDER MIXTURES CROSSLINKABLE BY RADIATION
023963/0038	5304225	7773895	INDER MIXTURE
023963/0038	5118889	7779667	PROCESS FOR PREPARING ALLYL CHLORIDE
023963/0038	5218038	7792004	PHENOLIC RESIN COATED PROPPANTS WITH REDUCED HYDRAULIC FLUID INTER- ACTION
023963/0038	5578668	7811980	WATER-REDISPERSIBLE POWDERS OF VINYL/ACRYLIC POLYMERS
023963/0038	5217665	7841179	PHENOL FORMALDEHYDE STEAM PRESSING OF WAFERBOARD
023963/0038	5191128	7851376	PROCESS FOR PREPARING TETRAPHENOLIC COMPOUNDS
023963/0038	5352712	7868933	ULTRAVIOLET RADIATION-CURABLE COATINGS FOR OPTICAL FIBERS
023963/0038	5185388	7884247	EPOXY RESIN ELECTRICAL ENCAPSULATION COMPOSITION
023963/0038	5378793	7960008	PROCESS FOR HARDENING PHENOLIC RESINS
023963/0038	5292972	7960144	PRODUCTION OF DICHLOROHYDRIN
023963/0038	5296520	7988247	LATENT ACID CURABLE COMPOSITIONS
023963/0038	5296584	8095931	RESOLE MELAMINE DISPERSIONS AS ADHESIVES
023963/0038	5345001	8110574	AQUEOUS RESOL SOLUTIONS AND PREPARATION THEREOF
023963/0038	5439863	8119026	NEUTRAL METAL COMPLEX SALTS
023963/0038	5444030	8119031	METAL COMPLEXES WITH A HIGH COORDINATION NUMBER
023963/0038	5442035	8128932	CALCIUM SULFONATE OR CALCIUM HYDROCARBYL SULFATE ACCELERATOR FOR AMINE CURE OF EPOXY RESINS
023963/0038	5399606	8138350	THERMOSETTING PLASTIC POWDER MIXTURES
023963/0038	5317050	8166096	LATENT ACID CURABLE COMPOSITIONS
023963/0038	5881194	8187006	RADIATION-CURED MATRIX MATERIAL; OPTICAL FIBER RIBBONS CONTAINING SAME; AND PROCESS FOR PREPARING SAID OPTICAL FIBER RIBBONS
023963/0038	5436279	8189971	COATING MATERIAL CONTAINING A REACTION PRODUCT OF AN EPOXY NOVOLAK RESIN AND AN OLEFINICALLY UNSATURATED CARBOXYLIC ACID CROSSLINKABLE BY RADIATION
023963/0038	6150492	8192077	CROSS-CATALYZED PHENOL-RESORCINOL ADHESIVE
023963/0038	5334675	8201361	LATENT ACID CURABLE COMPOSITIONS

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**PATENT**  
**REEL: 041795 FRAME: 0087**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
023963/0038	5395913	8204782	POLYMERIZABLE EPOXIDE MIXTURES AND PROCESS USING LEWIS BASE COMPLEXES
023963/0038	5489619	8212302	PROCESS FOR PRODUCING IMPROVED PHENOLIC FOAMS FROM PHENOLIC RESOLE RESINS
023963/0038	5424365	8214076	TWO PACKAGE AMBIENT TEMPERATURE CURING COATING COMPOSITION
023963/0038	5648404	8225890	CURATIVES FOR PHENOLIC NOVOLACS
023963/0038	5416531	8228572	BRIGHTNESS SIGNAL/COLOR SIGNAL SEPARATING FILTER INCLUDING IMAGE CORRECTION JUDGING CIRCUIT
023963/0038	5446089	8269111	RESORCINOL-GLUTARALDEHYDE RESIN AS AN ACCELERATOR FOR CURING PHENOL-FORMALDEHYDE RESINS
023963/0038	5480960	8274949	PROCESS FOR THE PREPARATION OF AN ACID FUNCTIONAL POLYESTER RESIN
023963/0038	5429865	8294645	NOVEL COMPOSITE MATERIALS
023963/0038	5525698	8313721	POLYMERIZABLE EPOXIDE MIXTURES AND PROCESS
023963/0038	5527835	8341172	ORGANIC SOLVENT AND WATER RESISTANT HYDROLYTICALLY STABLE ULTRAVIOLET RADIATION CURABLE COATINGS FOR OPTICAL FIBERS
023963/0038	5556705	8388133	NEUTRAL METAL COMPLEX SALTS
023963/0038	5621036	8391038	BOUND MULTI-COMPONENT SAND ADDITIVE
023963/0038	5639806	8411887	BISPHENOL-CONTAINING RESIN COATING ARTICLES AND METHODS OF USING SAME
023963/0038	5686506	8416192	MIXTURES OF PHENOLIC NOVOLAKS FOR USE WITH REFRACTORY AGGREGATE AND METHODS FOR MAKING SAME
023963/0038	5539073	8420550	WATERBORNE POLYMERS HAVING PENDANT ALLYL GROUPS
023963/0038	5700587	8422318	RESORCINOL-GLUTARALDEHYDE RESIN AS AN ACCELERATOR FOR CURING PHENOL-FORMALDEHYDE RESINS
023963/0038	5500461	8424846	STABLE WATERBORNE EPOXY RESIN DISPERSION CONTAINING MICRONIZED DICY
023963/0038	5536529	8426273	ULTRAVIOLET RADIATION-CURABLE COATINGS FOR OPTICAL FIBERS AND OPTICAL FIBERS COATED THEREWITH
023963/0038	5639846	8430281	ULTRAVIOLET RADIATION-CURABLE COATINGS FOR OPTICAL FIBERS AND OPTICAL FIBERS COATED THEREWITH
023963/0038	5552519	8436187	ROSIN ESTER DERIVATIVE AS SURFACTANTS
023963/0038	5538791	8454585	ORGANIC SOLVENT AND WATER RESISTANT, THERMALLY , OXIDATIVELY AND HYDROLYTICALLY STABLE RADIATION-CURABLE COATINGS FOR OPTICAL FIBERS, OPTICAL

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**PATENT**  
**REEL: 041795 FRAME: 0088**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			FIBERS COATED THEREWITH AND PROCESSES FOR MAKING SAME
023963/0038	5635583	8469824	CATALYTIC COMPOSITION AND METHOD FOR CURING UREA-FORMALDEHYDE RESIN
023963/0038	5500462	8474350	STABLE WATERBORNE EPOXY RESIN DISPERSION CONTAINING MICRONIZED DICY
023963/0038	5684114	8487317	CROSS-CATALYZED PHENOL-RESORCINOL ADHESIVE
023963/0038	5498647	8487337	RESORCINOL GLUTARALDEHYDE RESIN AS AN ACCELERATOR FOR CURING PHENOLIC FORMALDEHYDE RESINS
023963/0038	5902442	8487552	METHOD FOR BONDING LIGNOCELLULOSIC MATERIAL WITH PHENOL-FORMALDEHYDE RESIN AND CARBON DIOXIDE
023963/0038	5650478	8495047	LIQUID BINDING AGENTS
023963/0038	5723703	8504277	PURIFICATION OF ALLYL CHLORIDE
023963/0038	6015846	8532807	METHOD OF IMPROVING THE PROPERTIES OF RECLAIMED SAND USED FOR THE PRODUCTION OF FOUNDRY MOULDS AND CORES
023963/0038	5637374	8555047	RESORCINOL-GLUTARALDEHYDE RESIN AS AN ACCELERATOR FOR CURING PHENOL-FORMALDEHYDE RESINS
023963/0038	5962629	8558357	AMINE-TERMINATED POLYAMINE IN OIL-IN-WATER EMULSION
023963/0038	5739186	8566574	EPOXY RESIN COMPOSITION FOR SEMICONDUCTOR ENCAPSULATION
023963/0038	5569536	8572199	MANNICH BASE CURING AGENTS
023963/0038	5908873	8575637	PEELABLE BONDED RIBBON MATRIX MATERIAL; OPTICAL FIBER BONDED RIBBON ARRAYS CONTAINING SAME; AND PROCESS FOR PREPARING SAID OPTICAL FIBER BONDED RIBBON ARRAYS
023963/0038	5739213	8582855	ACID FUNCTIONAL AND EPOXY FUNCTIONAL POLYESTER RESINS
023963/0038	5623031	8585380	MODIFIED LIQUID EPOXY RESIN COMPOSITION
023963/0038	5587403	8587984	ORGANIC SOLVENT & WATER RESISTANT HYDROLYTICALLY STABLE ULTRAVIOLET RADIATION CURABLE COATINGS FOR OPTICAL FIBERS
023963/0038	5597876	8625839	EPOXY RESIN COMPOSITION CONTAINING NOVOLAC WITH ADJACENT HYDROXYL GROUPS
023963/0038	6528157	8641827	PROPPANTS WITH FIBER REINFORCED RESIN COATINGS
023963/0038	5711792	8647923	FOUNDRY BINDER
023963/0038	5637654	8700764	LOW TEMPERATURE CURE CARBOXYL TERMINATED POLYESTERS
023963/0038	5916966	8704259	STABILIZED PHENOLIC RESIN MELAMINE DISPERSIONS

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**PATENT**  
**REEL: 041795 FRAME: 0089**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			AND METHODS OF MAKING SAME
023963/0038	5744514	8740664	COATED OPTICAL FIBERS HAVING A REDUCED CONTENT OF EXTRACTABLE AND VOLATILE MATERIAL
023963/0038	5840215	8768055	ANISOTROPIC CONDUCTIVE ADHESIVE COMPOSITIONS
023963/0038	6046252	8806148	CURATIVES FOR PHENOLIC NOVOLACS
023963/0038	5916933	8810449	BISPHENOL-CONTAINING RESIN COATING ARTICLES AND METHODS OF USING SAME
023963/0038	6127508	8859518	EPOXY RESIN AND AMINE-TERMINATED POLYAMIDE FROM AMINOALYLPIPERAZINE
023963/0038	5880297	8861408	PROCESS FOR THE PURIFICATION OF GLYCIDYL ESTERS FROM EPIHALOHYDRIN AND CARBOXYLIC ACIDS
023963/0038	5869590	8861430	WATERBORNE POLYMERS HAVING PENDANT ALLYL GROUPS
023963/0038	5962556	8861437	FUNCTIONAL LATEXES RESISTANT TO HYDROLYSIS
023963/0038	6015873	8883505	NOVEL POLYPHENOL COMPOSITION AND METHOD OF PRODUCING THE SAME
023963/0038	5880246	8889605	POLYEPOXY COMPOSITION CONTAINING TRISEPOXIDE
023963/0038	5741835	8896118	AQUEOUS DISPERSIONS OF EPOXY RESINS
023963/0038	6013725	8906659	LOW TEMPERATURE CROSSLINKABLE LATEXES FORMED BY IN-SITU GENERATION OF A CROSSLINKABLE FUNCTIONALITY
023963/0038	5962584	8906660	WATERBORNE LATEX COMPOSITIONS HAVING REACTIVE PENDANT FUNCTIONAL GROUPS AND METHODS OF PREPARING THE SAME
023963/0038	5977214	8930637	PROCESS FOR PRODUCING DUROPLASTIC MOLDING COMPOUNDS
023963/0038	6050047	8932396	REINFORCED COMPOSITE WOODEN STRUCTURAL MEMBER AND ASSOCIATED METHOD
023963/0038	6307095	8950427	PROCESS FOR THE PREPARATION OF VINYLESTERS
023963/0038	5811198	8958348	ACID FUNCTIONAL AND EPOXY FUNCTIONAL POLYESTER RESINS
023963/0038	5952440	8963483	WATER SOLUBLE AND STORAGE STABLE RESOLE-MELAMINE RESIN
023963/0038	6024839	8965661	HYDROQUINONE TO INHIBIT FOULING OF EPICHLOROHYDRIN EQUIPMENT
023963/0038	6136991	8967634	GLYCIDYL ESTER ADDUCTS HAVING INCREASED GLASS TRANSITION TEMPERATURES
023963/0038	6013757	8977977	COATING OR IMPREGNANT OF EPOXY RESIN AND AQUEOUS POLYAMIDE-AMINE DISPERSION
023963/0038	5998508	8978073	AQUEOUS DISPERSIONS OF POLYAMIDE-AMINE DERIVED FROM AMINOALKYLPIPERAZINE WITH EPOXY RESIN
023963/0038	5891966	8988567	WATERBORNE SILICON HYDRIDE CROSSLINKABLE LATEX COMPOSITIONS AND METHODS OF PREPARING THE

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**PATENT**  
**REEL: 041795 FRAME: 0090**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			SAME
023963/0038	6048911	8989618	COATED OPTICAL FIBERS
023963/0038	5900468	9032892	EPOXY RESIN COMPOSITION
023963/0038	6084039	9033963	EPOXY RESIN COMPOSITION
023963/0038	6187698	9040846	THERMOSETTING RESIN BONDED SHAPED ELEMENTS
023963/0038	5910521	9053541	BENZOXAZINE POLYMER COMPOSITION
023963/0038	5980597	9057834	COLOR STABLE COATED ABRASIVES
023963/0038	6005060	9063750	EPOXY RESIN COMPOSITION AND CURED COMPOSITE PRODUCT
023963/0038	6011186	9067373	PROCESS FOR MANUFACTURING ALLYHALIDE AND EQUIPMENT TO BE USED THEREFOR
023963/0038	6541576	9068510	COMPOSITION AND METHOD FOR CURING A RESORCINOL RESIN
023963/0038	6063876	9085209	EPOXY RESIN COMPOSITION AND EPOXY RESIN COMPOSITION FOR ENCAPSULATING SEMICONDUCTORS
023963/0038	6133403	9091301	REACTIVE DILUENTS FOR ACID CURABLE PHENOLIC COMPOSITIONS
023963/0038	6277928	9095079	EPOXY-FUNCTIONAL AMIDOAMINE REACTED WITH EXCESS POLYAMINE AND MONOEPOXY AS EPOXY CURATIVE
023963/0038	6127459	9095090	EPOXY RESIN CURING AGENT-REACTING ACID-TERMINATED POLYALKYLENE GLYCOL WITH EXCESS AMINE-TERMINATED POLYAMINE-EPOXY RESIN ADDUCT
023963/0038	6080806	9101474	WATER-REDISPERSIBLE POWDERS OF FILM-FORMING POLYMERS PREPARED FROM ETHYLENICALLY UNSATURATED MONOMERS
023963/0038	6294691	9102983	PROCESS FOR THE MANUFACTURE OF CARBOXYLIC ACIDS
023963/0038	6143809	9116922	PROCESS TO PREPARE AQUEOUS DISPERSIONS OF EPOXY RESINS
023963/0038	6221934	9116923	AQUEOUS DISPERSIONS OF EPOXY RESINS
023963/0038	6174947	9123105	LOW VOLATILE ORGANIC COMPONENT POLYURETHANE VARNISH
023963/0038	6242528	9133485	ACRYLIC MODIFIED WATERBORNE ALKYD DISPERSIONS
023963/0038	6014488	9142102	COATED OPTICAL FIBERS HAVING STRIPPABLE PRIMARY COATINGS AND PROCESSES FOR MAKING AND USING SAME
023963/0038	6132549	9155256	WOOD-PRODUCT LAMINATED COMPOSITES
023963/0038	6248843	9156050	POWDER COATINGS BASED ON BRANCHED OLIGOESTERS AND TRIAZOLE BLOCKED POLYISOCYANATES
023963/0038	6255523	9156254	POWDER COATINGS BASED ON BRANCHED OLIGOESTERS AND NON-EMISSIVE URETDIONE POLYISOCYANATES
023963/0038	6001950	9158584	PHENOL-NOVOLACS WITH IMPROVED OPTICAL

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**PATENT**  
**REEL: 041795 FRAME: 0091**



Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			PROPERTIES
023963/0038	6395845	9212083	WATERPROOFING MEMBRANE FROM EPOXY RESIN AND AMINE-TERMINATED POLYAMIDE
023963/0038	6214265	9213595	MIXED PMDI/RESOLE RESIN BINDERS FOR THE PRODUCTION OF WOOD COMPOSITE PRODUCTS
023963/0038	6294117	9213955	MIXED PMDI/SOLID NOVOLAC RESIN BINDERS FOR THE PRODUCTION OF WOOD COMPOSITE PRODUCTS
023963/0038	6060611	9223481	EPOXY RESIN COMPOSITION
023963/0038	6235931	9223549	PARTIAL OXIDATION OF POLYOXYALKYLENE POLYOL COMPOSITIONS TO POLYCARBOXYLIC ACID COMPOSITIONS
023963/0038	6284845	9242380	LOW TEMPERATURE CURE CARBOXYL TERMINATED POLYESTERS
023963/0038	6582884	9242553	COATED OPTICAL DISKS
023963/0038	6122428	9259343	RADIATION-CURABLE COMPOSITION FOR OPTICAL FIBER MATRIX MATERIAL
023963/0038	6455607	9260568	PEELABLE BONDED RIBBON MATRIX MATERIAL; OPTICAL FIBER BONDED RIBBON ARRAYS CONTAINING SAME; AND PROCESS FOR PREPARING SAID OPTICAL FIBER BONDED RIBBON ARRAYS
023963/0038	6239248	9298153	PHENOL-NOVOLACS WITH IMPROVED OPTICAL PROPERTIES
023963/0038	6159405	9301315	PHENOLIC RESIN SYSTEM FOR PULTRUSION COMPOSITES
023963/0038	6333378	9321610	ACRYLIC MODIFIED WATERBORNE ALKYD OR URALKYD DISPERSIONS
023963/0038	6232411	9322633	HYDROGENATED DIGLYCIDYL ETHERS OF BIPHENY-4,4'-DIOL
023963/0038	6255365	9360963	EPOXY RESIN COMPOSITION FOR SEMICONDUCTOR ENCAPSULATION
023963/0038	6387501	9365418	PHENOLIC COATED REFRACTORY AGGREGATES
023963/0038	6291723	9388966	DIOLEFIN/HYDROXYARYL CONDENSATES AND CATALYST THEREFOR
023963/0038	6140421	9404025	PHENOL-NOVOLACS WITH IMPROVED OPTICAL PROPERTIES
023963/0038	6433217	9404527	PROCESS FOR THE PREPARATION OF GLYCIDYLESTERS OF BRANCHED CARBOXYLIC ACIDS
023963/0038	6353081	9413380	CURING AGENTS FOR EPOXY COMPOUNDS, PROCESSES FOR THEIR PRODUCTION AND THEIR USE
023963/0038	6187875	9421168	ACID FUNCTIONAL POLYESTER RESINS AND LOWER TEMPERATURE CURABLE POWDER COATING COMPOSITIONS COMPRISING THEM
023963/0038	6201094	9421641	PHENOL-NOVOLACS WITH IMPROVED OPTICAL PROPERTIES

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
023963/0038	6211406	9421727	PROCESS FOR THE MANUFACTURE OF A, ALPHA-BRANCHED CARBOXYLIC ACIDS
023963/0038	6136894	9443871	AQUEOUS EPOXY RESIN SYSTEM WITH CURING AGENT FROM REACTING ACID-TERMINATED POLYALKYLENE GLYCOL WITH EPOXY-AMINE ADDUCT
023963/0038	6136944	9449870	ADHESIVE OF EPOXY RESIN, AMINE-TERMINATED POLYAMIDE AND POLYAMINE
023963/0038	6632527	9450588	COMPOSITE PROPPANT, COMPOSITE FILTRATION MEDIA AND METHODS FOR MAKING AND USING SAME
023963/0038	6365646	9456363	METHOD TO IMPROVE HUMIDITY RESISTANCE OF PHENOLIC URETHANE FOUNDRY BINDERS
023963/0038	6291578	9464552	BLOCKED POLYISOCYANATES CONTAINING PHENOLIC GROUPS
023963/0038	6416696	9465279	AQUEOUS MIXED PMDI/PHENOLIC RESIN BINDERS FOR THE PRODUCTION OF WOOD COMPOSITE PRODUCTS
023963/0038	6492483	9469209	INTEGRATED CONTINUOUS PROCESS FOR UPSTAGING EPOXY RESINS
023963/0038	6406789	9486144	COMPOSITE PROPPANT, COMPOSITE FILTRATION MEDIA AND METHODS FOR MAKING AND USING SAME
023963/0038	6274682	9490522	Epoxy resin system
023963/0038	6391952	9509762	WATER-REDISPERSIBLE FILM-FORMING POLYMER POWDERS PREPARED FROM ETHYLENICALLY UNSATURATED MONOMERS AND CONTAINING NAPHTHALENESULPHONATES
023963/0038	6608161	9518506	PROCESS FOR PRODUCING PHENOL-DICARBONYL CONDENSATES WITH INCREASED FLUORESCENCE, EPOXY RESINS, EPOXY RESIN SYSTEMS AND LAMINATES MADE WITH THE SAME
023963/0038	6372295	9525138	SUPPRESSING STAINING OF COATING COATING BAKING OVENS
023963/0038	6342615	9566314	Glycidyl ester adducts having increased glass transition temperatures
023963/0038	6449413	9588019	RADIATION-CURABLE COMPOSITION FOR OPTICAL FIBER MATRIX MATERIAL
023963/0038	6548601	9596269	FAST-DRY HIGH SOLIDS COATINGS BASED ON MODIFIED ALKYD RESINS
023963/0038	6573357	9602398	PROCESS FOR THE PREPARATION OF KETIMINE CURING AGENTS
023963/0038	6372878	9617166	RESOLS,PROCESS FOR THEIR PRODUCTION AND USE
023963/0038	6306241	9634240	Wax sizing and resin bonding of a lignocellulosic composite
023963/0038	6232399	9635381	Phenol-novolacs with improved optical properties
023963/0038	6359037	9635909	POLYAMINE / EPOXY-FUNCTIONAL AMIDOAMINE

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			PRODUCT WITH EPOXY RESIN
023963/0038	6384116	9659726	Binder composition and process
023963/0038	6500912	9660369	EPOXY RESIN SYSTEM
023963/0038	6478998	9661458	HYBRID PHENOL-FORMALDEHYDE AND POLYMERIC ISOCYANATE BASED ADHESIVE AND METHODS OF SYNTHESIS AND USE
023963/0038	6469097	9674114	AQUEOUS POLYMER DISPERSIONS BASED ON UNSATURATED HETEROCYCLIC MONOMERS AND USE IN CROSSLINKING PROCESSES
023963/0038	6515166	9694442	VINYL ESTERS WITH HIGH CROSS-LINKAGE DENSITY
023963/0038	6388024	9696577	Acid functional and epoxy functional polyester resins
023963/0038	6628866	9701609	OPTICAL FIBER RIBBONS CONTAINING RADIATION CURED ENCAPSULATING MATERIALS
023963/0038	6500546	9704023	HALOGEN-FREE PHOSPHOROUS-CONTAINING FLAME-RESISTANT EPOXY RESIN COMPOSITIONS
023963/0038	6653436	9733290	WATER DISPERSIBLE EPOXY RESINS
023963/0038	6316583	9735813	Phenol-novolacs with improved optical properties
023963/0038	6379800	9765819	GLYOXAL-PHENOLIC CONDENSATES WITH ENHANCED FLUORESCENCE
023963/0038	6641761	9773796	MIXED PMDI/RESOLE RESIN BINDERS FOR THE PRODUCTION OF WOOD COMPOSITE PRODUCTS
023963/0038	6582819	9774881	LOW DENSITY COMPOSITE PROPPANT, FILTRATION MEDIA, GRAVEL PACKING MEDIA, AND SPORTS FIELD MEDIA, AND METHODS FOR MAKING AND USING SAME
023963/0038	6515047	9784624	COMPOSITION OF EPOXY RESIN AND TRIAZINE-FORMALDEHYDE-PHENOL RESIN
023963/0038	6653398	9785098	POLYESTER TACKIFIER AND ADHESIVE COMPOSITION
023963/0038	6641762	9794976	MIXED PMDI/SOLID NOVOLAC RESIN BINDERS FOR THE PRODUCTION OF WOOD COMPOSITE PRODUCTS
023963/0038	6501890	9807155	HEAT STRIPPABLE OPTICAL FIBER RIBBONS
023963/0038	6410658	9813179	POLYEPOXIDE/POLYETHER MOO-OR POLYAMINEPRECURSOR REACTED WITH MONO-OR POLYAMINE,EPOXY RESIN-AMINE ADDUCT AND MONOEPOXIDE-AMINE ADDUCT
023963/0038	6541595	9867269	POWDER COATINGS BASED ON BRANCHED OLIGOESTERS AND NON-EMISSIVE URETDIONE POLYISOCYANATES
023963/0038	6605354	9940961	HIGH NITROGEN CONTAINING TRIAZINE-PHENOL-ALDEHYDE CONDENSATE
023963/0038	6572804	9963711	METHOD FOR MAKING BUILDING PANELS HAVING LOW EDGE THICKNESS SWELLING
023963/0038	6585820	9993196	WATER-RESISTANT GYPSUM FORMULATIONS
023963/0038	6646094	10018707	LOW EMISSION FORMALDEHYDE RESIN AND BINDER FOR

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**PATENT**  
**REEL: 041795 FRAME: 0094**

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			MINERAL FIBER INSULATION
023963/0038	6620901	10023780	HIGH CARBON YIELD PHENOLIC RESOLE
023963/0038	6818707	10041913	SPRAY DRIED PHENOLIC RESOLE MOLDING POWDER WITH CRYSTALLINE PHENOLIC COMPOUNDS
023963/0038	6907520	10044487	THRESHOLD-BASED LOAD ADDRESS PREDICTION AND NEW THREAD IDENTIFICATION IN A MULTITHREADED MICROPROCESSOR
023963/0038	6716729	10070623	STABLE BISPHENOLIC COMPOSITIONS
023963/0038	6653412	10073691	MONOAMINE OR POLYAMINE REACTED WITH POLYEPOXIDE/MONOAMINE OR POLYAMINE PRECURSOR, EPOXY RESIN AND EPOXIDE THINNER
023963/0038	6646065	10073692	PRODUCT OF MONO OR POLYAMINE AND POLYEPOXIDE- AMINE PRECURSOR, EPOXY RESIN-AMINE ADDUCT, MONOEPOXIDE-AMINE ADDUCT AND EPOXIDE THINNER
023963/0038	6906425	10091086	ATTACHMENT OF SURFACE MOUNT DEVICES TO PRINTED CIRCUIT BOARDS USING A THERMOPLASTIC ADHESIVE
023963/0038	6534598	10094136	FAST-DRY, HIGH SOLIDS COATINGS BASED ON MODIFIED ALKYD RESINS
023963/0038	6608162	10099410	SPRAY-DRIED PHENOL FORMALDEHYDE RESINS
023963/0038	6984675	10101038	FORMALDEHYDE-FREE BINDER COMPOSITIONS FOR SIMULTANEOUS WARP SIZING AND COLORATION OF FILAMENT YARNS
023963/0038	6498883	10115076	OPTICAL FIBER RIBBON WITH PIGMENTED MATRIX MATERIAL AND PROCESSES FOR MAKING SAME (AS AMENDED)
023963/0038	7060745	10121396	WATERBORNE ACRYLATE-FUNCTIONALIZED ALKYD COATING COMPOSITIONS
023963/0038	6911493	10121927	ACRYLATE-FUNCTIONALIZED ALKYD COMPOSITIONS FOR FAST-DRY COATINGS
023963/0038	6677426	10145829	MODIFIED EPOXY RESIN COMPOSITION, PRODUCTION PROCESS FOR THE SAME AND SOLVENT-FREE COATING COMPRISING THE SAME
023963/0038	6780511	10235326	N-SUBSTITUTED ARYLAMINO-PHENOL-FORMALDEHYDE CONDENSATES
023963/0038	6881799	10250612	CURING AGENT FOR EPOXY RESINS AND EPOXY RESIN COMPOSITION
023963/0038	6982044	10323067	METHOD AND COMPOSITION FOR PREVENTING TRAFFIC SURFACES BECOMING SLIPPERY IN WINTER
023963/0038	6710101	10342799	HIGH SURFACE AREA MAGNESIA CURING AGENT
023963/0038	6825278	10346350	MODIFIED PRESSURE SENSITIVE ADHESIVE
023963/0038	None	10349673	Epoxy resin compositions, methods of preparing, and articles made therefrom
023963/0038	7001938	10351903	EPOXY RESIN CURING COMPOSITIONS AND RESIN

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			COMPOSITIONS INCLUDING SAME
023963/0038	6946509	10356286	ACRYLATE-FUNCTIONAL ALKYD RESINS HAVING IMPROVED DRY TIME
023963/0038	6663707	10357720	WATER-RESISTANT GYPSUM FORMULATIONS
023963/0038	6699958	10365873	COLORLESS PHENOL-FORMALDEHYDE RESINS THAT CURE COLORLESS
023963/0038	7129286	10416745	WATERBORNE ACRYLIC MODIFIED ALKYD RESINS
023963/0038	7238386	10420910	METHODS FOR MAKING AND USING POINT LUMP-FREE COMPOSITIONS AND PRODUCTS COATED WITH POINT LUMP-FREE COMPOSITIONS
023963/0038	7276555	10441171	AMIDE-MODIFIED RESIN OR HYDROCARBYL MOIETY FOR DISPERSING A PIGMENT
023963/0038	7153575	10445899	PARTICULATE MATERIAL HAVING MULTIPLE CURABLE COATINGS AND METHODS FOR MAKING AND USING SAME
023963/0038	6989413	10456429	POLYESTER TACKIFIER AND ADHESIVE COMPOSITION
023963/0038	7151192	10484129	MANUFACTURING PROCESS FOR THE PREPARATION OF A, A-BRANCHED ALKANE CARBOXYLIC ACIDS PROVIDING ESTERS WITH AN IMPROVED SOFTNESS
023963/0038	7358312	10487318	EPOXY RESIN CURING AGENT OF EPOXY RESIN-LIQUID AMINE ADDUCT AND POLYAMIDOAMINE
023963/0038	7073586	10507301	SYSTEM FOR TREATING AN UNDERGROUND FORMATION
023963/0038	7473712	10525912	EMULSIONS FOR COMPOSITE MATERIALS
023963/0038	7473713	10525917	ADDITIVES FOR WATER-RESISTANT GYPSUM PRODUCTS
023963/0038	7696253	10528471	WATER-RESISTANT ADDITIVES FOR GYPSUM WOOD FIBER PRODUCTS
023963/0038	7488383	10537691	GYPSUM PRODUCTS AND METHOD FOR THEIR MANUFACTURE
023963/0038	7671115	10538681	METHOD FOR ENHANCING WATER-REPELLENCY TREATMENT OF MINERAL HYDRAULIC BINDER COMPOSITIONS AND COMPOSITIONS OBTAINABLE BY SAID METHOD AND THEIR USES
023963/0038	7563826	10541804	EMULSIONS FOR LIGNOCELLULOSIC PRODUCTS, METHODS OF THEIR MANUFACTURE, IMPROVED LIGNOCELLULOSIC PRODUCTS AND METHODS FOR THEIR MANUFACTURE
023963/0038	7829193	10574413	COATING COMPOSITIONS COMPRISING AN AQUEOUS DISPERSION OF FILM-FORMING POLYMER AND A SILICONE POLYETHER, PROCESS FOR THE PREPARATION THEREOF AND USES THEREOF, IN PARTICULAR AS AN ANTISOILING COATING
023963/0038	7326739	10607514	OPTICAL FIBER RIBBONS CONTAINING RADIATION CURED ENCAPSULATING MATERIALS

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
023963/0038	None	10612606	Method for the production of fabric inserts for synthetic resin-bonded formed bodies as well as impregnation agent for fabric inserts
023963/0038	7321020	10617104	POLYCONDENSATION PRODUCTS AND A PROCESS FOR THEIR PREPARATION
023963/0038	7101924	10639414	WATER-DISPERSIBLE POLYESTER STABILIZED, ACID-TREATED, FLUOROALKYL COMPOSITIONS
023963/0038	7173081	10639576	PROCESSES TO PRODUCE WATER-DISPERSIBLE POLYESTER STABILIZED FLUOROALKYL COMPOSITIONS
023963/0038	7186769	10639723	WATER-DISPERSIBLE POLYESTER STABILIZED FLUOROALKYL COMPOSITIONS
023963/0038	7189780	10639726	PROCESSES TO PRODUCE WATER-DISPERSIBLE POLYESTER STABILIZED, ACID-TREATED, FLUOROALKYL COMPOSITIONS
023963/0038	7592067	10667648	EPOXY RESIN COMPOSITIONS, PROCESSES UTILIZING SAME AND ARTICLES MADE THEREFROM
023963/0038	6956086	10671224	WATER DISPERSIBLE EPOXY RESINS
023963/0038	7285590	10712512	AQUEOUS DISPERSIONS CONTAINING MULTI-STAGE EMULSION POLYMERS
023963/0038	7262238	10760326	RESIN COMPOSITION
023963/0038	7256226	10800841	STORAGE-STABLE ACRYLATE-FUNCTIONAL ALKYD RESIN COMPOSITIONS
023963/0038	7270879	10825087	PARTICULATE MATERIAL CONTAINING THERMOPLASTICS AND METHODS FOR MAKING AND USING THE SAME
023963/0038	None	10869271	N-substituted arylamino-phenol-formaldehyde condensates
023963/0038	7262237	10875877	TIME RELEASED CURING SYSTEM
023963/0038	None	10880746	Fire and smoke resistant panels and laminates for vehicles and method of manufacture
023963/0038	7645196	11037094	APPARATUS FOR TRANSMITTING A TORQUE FROM A MOTOR TO A COMPRESSOR
023963/0038	9023929	11053682	Tackifier dispersion
023963/0038	8252864	11192983	POLYMERIZATION-ENHANCING COMPOSITION FOR UREA-FORMALDEHYDE RESINS, METHOD OF MANUFACTURE, METHOD OF USE, AND ARTICLES FORMED THEREFROM
023963/0038	7294189	11219276	WAX EMULSION PRESERVATIVE COMPOSITIONS AND METHOD OF MANUFACTURE
023963/0038	7919183	11230693	PARTICLES FOR USE AS PROPPANTS OR IN GRAVEL PACKS, METHODS FOR MAKING AND USING THE SAME
023963/0038	7424911	11242745	METHOD OF ESTIMATING FRACTURE GEOMETRY, COMPOSITIONS AND ARTICLES USED FOR THE SAME
023963/0038	7323534	11248105	PHENOL-FORMALDEHYDE RESOLE RESINS, METHOD OF MANUFACTURE, METHODS OF USE, AND ARTICLES

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			FORMED THEREFROM
023963/0038	7374610	11410738	WAX EMULSIONS FOR GYPSUM PRODUCTS
023963/0038	7803855	11437018	WOOD COMPOSITES, METHODS OF PRODUCTION, AND METHODS OF MANUFACTURE THEREOF
023963/0038	8241415	11473734	WAX FORMULATIONS FOR LIGNOCELLULOSIC PRODUCTS, METHODS OF THEIR MANUFACTURE AND PRODUCTS FORMED THEREFROM
023963/0038	None	11487622	Modified urea-formaldehyde resin composition, methods of making and articles made therefrom
023963/0038	7726397	11501575	METHODS AND COMPOSITIONS FOR DETERMINATION OF FRACTURE GEOMETRY IN SUBTERRANEAN FORMATIONS
023963/0038	7598898	11520229	METHOD FOR USING LOGGING DEVICE WITH DOWN-HOLE TRANSCEIVER FOR OPERATION IN EXTREME TEMPERATURES
023963/0038	7450053	11520234	LOGGING DEVICE WITH DOWN-HOLE TRANSCEIVER FOR OPERATION IN EXTREME TEMPERATURES
023963/0038	8012575	11631802	DUROPLASTIC-BONDED MOLDED FIBER PARTS AND METHOD FOR PRODUCING THE SAME
023963/0038	None	11701217	Rosin ester with low color and process for preparing same
023963/0038	7624802	11726573	LOW TEMPERATURE COATED PARTICLES FOR USE AS PROPPANTS OR IN GRAVEL PACKS, METHODS FOR MAKING AND USING THE SAME
023963/0038	7737297	11915218	ESTERIFICATION PROCESS OF POLYOLS WITH TERTIARY ALKYL SUBSTITUTED ACIDS
023963/0038	7989575	11956662	PHENOL-FORMALDEHYDE RESOLE RESINS, METHOD OF MANUFACTURE, METHODS OF USE, AND ARTICLES FORMED THEREFROM
023963/0038	None	11973787	Apparatus for producing jumbo rolls
023963/0038	None	11996631	AQUEOUS DISPERSION OF STRUCTURED POLYMER, MANUFACTURING PROCESS AND USE IN COATING FORMULATIONS
023963/0038	9062202	12037231	RESIN-POLYESTER BLEND BINDER COMPOSITIONS, METHOD OF MAKING SAME AND ARTICLES MADE THEREFROM
023963/0038	None	12063609	POWDER COATING COMPOSITIONS CROSS-LINKED WITH NON CYANURATE POLYEPOXIDES
023963/0038	8354939	12088544	WELLBORE CASING MOUNTED DEVICE FOR DETERMINATION OF FRACTURE GEOMETRY AND METHOD FOR USING SAME
023963/0038	8143335	12135813	ADHESIVE COMPOSITION
023963/0038	8741430	12145667	STORAGE STABLE AMINO-FORMALDEHYDE RESINS AND APPLICATIONS THEREOF
023963/0038	8088881	12145871	STORAGE STABLE MELAMINE-UREA-FORMALDEHYDE

Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
			RESINS AND APPLICATIONS THEREOF
023963/0038	8026300	12226159	AQUEOUS RESIN DISPERSION, PROCESS OF MAKING THEREOF, AND PRODUCT THEREOF
023963/0038	7933718	12268856	METHOD AND TOOL FOR DETERMINATION OF FRACTURE GEOMETRY IN SUBTERRANEAN FORMATIONS BASED ON IN-SITU NEUTRON ACTIVATION ANALYSIS
023963/0038	None	12335238	PROCESS FOR MAKING WOOD LAMINATES USING FAST SETTING ADHESIVES AT AMBIENT TEMPERATURE
023963/0038	8076006	12360655	TRIGLYCERIDE COMPOSITIONS USEFUL FOR PREPARING COMPOSITE PANELS AND APPLICATIONS THEREOF
023963/0038	8202363	12406579	MODIFIER FOR CONCRETE AND CEMENT FORMULATIONS AND METHODS OF PREPARING THE SAME
023963/0038	8252106	12406840	MODIFIER FOR CONCRETE AND CEMENT FORMULATIONS AND METHODS OF PREPARING THE SAME
023963/0038	8096355	12436217	ANALYSIS OF RADAR RANGING DATA FROM A DOWN HOLE RADAR RANGING TOOL FOR DETERMINING WIDTH, HEIGHT, AND LENGTH OF A SUBTERRANEAN FRACTURE
023963/0038	8240383	12437717	METHODS FOR MAKING AND USING UV/EB CURED PRECURED PARTICLES FOR USE AS PROPPANTS
023963/0038	8227026	12437747	PARTICLES FOR USE AS PROPPANTS OR IN GRAVEL PACKS, METHODS FOR MAKING AND USING THE SAME
023963/0038	8404040	12498481	CURING OR SEALING COMPOSITIONS FOR CONCRETE AND CEMENT FORMULATIONS AND PROCESSES FOR USING THE SAME
023963/0038	7807735	12500967	LIGNOCELLULOSIC PRODUCTS AND METHODS FOR THEIR MANUFACTURE
023963/0038	None	12508197	CORE FOR PROPPANT AND PROCESS FOR ITS PRODUCTION AND USE
023963/0038	None	12542034	COATING SYSTEM FOR AIRCRAFT AND AIRCRAFT COATED THEREWITH
023963/0038	None	12564479	ADHESIVE COMPOSITIONS AND PROCESS FOR PREPARING SAME
023963/0038	8044124	12571878	ADHESION-PROMOTING AGENT FOR A THERMAL INSULATION SURFACE
023963/0038	None	12599011	RESIN DISPERSION
023963/0038	9096790	12605990	LOW TEMPERATURE COATED PARTICLES COMPRISING A CURABLE LIQUID AND A REACTIVE POWDER FOR USE AS PROPPANTS OR IN GRAVEL PACKS, METHODS FOR MAKING AND USING THE SAME
023963/0038	8173745	12639726	COMPOSITIONS USEFUL FOR PREPARING COMPOSITES AND COMPOSITES PRODUCED THEREWITH
023963/0038	8796391	12642343	EPOXY RESIN CURING COMPOSITIONS AND EPOXY RESIN SYSTEMS INCLUDING SAME



Security Interest PTO Reel/Frame	Patent No.	Application No.	Patent Title
023963/0038	None	12642420	EPOXY RESIN CURING COMPOSITIONS AND EPOXY RESIN SYSTEMS INCLUDING SAME
025001/0893	8557954	12674747	WATERBASED DIMERIZED ROSINS AND THE PROCESS TO MAKE THEM
025001/0893	8343634	12687491	TRIGLYCERIDE COMPOSITIONS USEFUL FOR PREPARING COMPOSITE PANELS AND APPLICATIONS THEREOF
025001/0893	8062478	12711394	GYPSON WOOD FIBER ARTICLES AND METHODS OF MAKING SAME
025001/0893	8791195	12713791	COMPOSITIONS USEFUL FOR NON-CELLULOSE FIBER SIZING, COATING OR BINDING COMPOSITIONS, AND COMPOSITES INCORPORATING SAME
025063/0776	8354475	12740169	EPOXY-PHENOLIC RESINS CO-DISPERSIONS
025063/0776	7960493	12767591	ESTERIFICATION PROCESS OF POLYOLS WITH TERTIARY ALKYL SUBSTITUTED ACIDS
025063/0776	8129318	12789094	METHODS AND COMPOSITIONS FOR DETERMINATION OF FRACTURE GEOMETRY IN SUBTERRANEAN FORMATIONS