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Solutia Inc.

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

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Name: Ableco Finance LLC

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City: New York State: NY ZIP: 10171

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3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☒ Other Short-Form Junior Patent Security Agreement

Execution Date: October 8, 2003

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

10065099

Additional numbers attached? ☒ Yes ☐ No

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

Name: Laura Konrath

Internal Address: Winston & Strawn LLP
33rd Floor

Street Address: 35 W. Wacker Dr.

City: Chicago State: IL ZIP: 60601

6. Total number of applications and patents involved: 485

7. Total fee (37 CFR 3.41).....\$ 19,400

☒ Enclosed☐ Authorized to be charged to deposit account

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N/A

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PATENT

REEL: 014683 FRAME: 0683

Continuation
Item 4

SCHEDULE I

SOLUTIA INC. PATENTS AND PATENT APPLICATIONS

Patent Number	Issue Date	Title
10/065,094	9/17/02	Colorable Filaments from Polymer Blend
10/147,720	5/16/02	Infrared (IR) Absorbing Composition and Lamin
10/164,100	6/05/02	Method for Inhibiting CaCO ₃ Scale in Kraft
10/164,331	6/05/02	Method for Inhibiting CaCO ₃ Scale in Kraft
10/190,323	7/05/02	Tacky Polymer Melt Spinning Process
10/236,259	9/06/02	Process for Reducing Nitrogen Oxide Emissions
10/259,491	9/30/02	Device for Direct Insertion of Yarn in Automa
10/294,728	11/15/02	Non-autoclave NIP Roll Glass Lamination Procedure
10/306,664	11/27/02	Process for Preparing a Catalyst for the Oxidation
10/327,765	12/23/02	Low Pressure Process for the Manufacture of 3-
10/342,781	1/15/03	Fiber Reactive Dyeing System
10/346,137	1/16/03	Embossed Reflective Laminates
10/347,792	1/22/03	Plasticized Polyvinyl Butyral and Sheet
10/361,608	2/11/03	Cyclohexane Oxidation Catalyst
10/376,520	2/27/03	Use of Dinydroxyquinoline to Aid in Increasing
10/419,203	4/21/03	Pleated Support Tubes for Polymer Filters
10/427,412	5/01/03	Polyvinyl Butyral Sheet Having Antiblocking C
10/431,404	5/07/03	Tacky Polymer Melt Spinning Process
10/446,148	5/28/03	Plasma Display Panel Filters
10003890	10/25/2001	Anti-Static Woven Fabric And Flexible Bulk Co
10040275	11/1/2001	Computer System For The Analysis & Design Of
10102905	3/22/2002	Controlling Solar Radiation In Safety Glass L
10120009	4/10/2002	Process For Preparation Of Temperature-Sensit
10124779	4/18/2002	Light-Stable Colored Transparent Composite Fi
10135417	4/30/2002	Digital Color-Design Composite For Use In Lam
10135888	4/30/2002	Tacky Polymer Melt Spinning Process
10151082	6/15/1982	Acid Halide Functional Materials
10151182	6/15/1982	Acid Halide Functional Materials
10164100	6/5/2002	METHOD FOR INHIBITING CaCO ₃ SCALE IN KRAFT PR
10164331	6/5/2002	METHOD FOR INHIBITING CaCO ₃ SCALE IN KRAFT PR
10190323	7/5/2002	Tacky Polymer Melt Spinning Process
10192785	7/10/2002	Composite Interlayer For Laminated Glass
10204430	3/15/2001	Flame Retardant, Optical Films
10209430	7/30/2002	Process For Producing A Calcium Carboxylate
10236259	9/6/2002	Process For Reducing Nitrogen Oxide Emissions
10259491	9/30/2002	Device For Direct Insertion Of Yarn In Automa
10293227	11/13/2002	Binder Fiber For Improved Carpet Appearance R
10294728	11/15/2002	Non-Autoclave Nip Roll Glass Lamination Proce
10306664	11/27/2002	Process For Preparing A Catalyst For The Oxid
10342781	1/15/2003	Fiber Reactive Dyeing System
10346137	1/16/2003	Embossed Reflective Laminates
10347792	1/22/2003	Plasticized Polyvinyl Butyral And Sheet
10361608	2/11/2003	Cyclohexane Oxidation Catalyst

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Patent Number	Issue Date	Title
10376520	2/27/2003	Use Of Dihydroxyquinoline To Aid In Increasin
10389083	3/15/2003	Fade Protector
10419203	4/21/2003	Pleated Support Tubes For Polymer Filters
10427412	5/1/2003	Polyvinyl Butyral Sheet Having Antiblocking C
10431404	5/7/2003	Tacky Polymer Melt Spinning Process
10445942	5/28/2003	A System And Methods For Filtering Electromag
10446148	5/28/2003	Plasma Display Panel Filters
10452146	6/3/2003	Fluorinated Polymer Sheets
10457185	6/9/2003	Polyvinyl Butyral Sheet With Bifunctional Sur
10457642	6/9/2003	Polyvinyl Butyral Sheet With Bifunctional Sur
20010023020		Implantable fibers and medical articles
20020061395		Intrusion resistant glass laminates
20020165656		Binder fiber for improved carpet appearance retention and endpoint
200220136859		Antistatic Yarn, Fabric, Carpet and Fiber Blend Formed From Conductive or Quasi-Conductive Stable Fiber
20030148114		Glass lamination process
20030161997		Embossed Reflective Laminates
20030162809		Use of dihydroxyquinoline to aid in increasing milk production and feed utilization
4,563,296	1/7/86	Plasticizer blend for polyvinyl butyral; improved low temperature performance
4,565,658	1/21/86	Oxidation and ammoxidation process; oxides of bismuth, molybdenum, vanadium and antimony as catalyst
4,574,136	3/4/86	Plasticized polyvinyl butyral interlayers; unsaturated esters of polyalcohols
4,575,540	3/11/86	Polyvinyl butyral sheet roughness control; lightly crosslinked with methylene glycol
4,579,762	4/1/86	Stain resistant carpet with impervious backing; aromatic sulfonate modified poly lactam or polyamide with fluorochemical backing adhesive
4,580,597	4/8/86	Fluid distribution system
4,582,894	4/15/86	Polyglycidamide coating compositions; blends with epoxy-reactive vehicles; drying and crosslinking at room temperature; toughness; potting; lamination
4,583,357	4/22/86	Partially oriented nylon yarn and process; polyhexamethylene adipamide
4,587,033	5/6/86	Polymeric acetal carboxylate compositions
4,590,011	5/20/86	Ammoxidation process; using antimony, uranium, iron, bismuth, and molybdenum oxide catalyst
4,590,101	5/20/86	Surface coating process; polyallyloxy activator
4,592,940	6/3/86	Stain-resistant nylon carpets impregnated with condensation product of formaldehyde with mixture of diphenolsulfone and phenolsulfonic acid; immersion of nylon carpet in aqueous solution of resin
4,597,693	7/1/86	Method and apparatus for installing highway drainage mat
4,598,000	7/1/86	Spray-suppression device; laminated low and high density polyethylene; vehicle wheels
4,600,702	7/15/86	Vapor phase nitration catalysts; nitrogen-containing group 3B-4B mixed oxides, nitroaromatic products
4,601,949	7/22/86	Conjugate filaments and process for producing same
4,604,253	8/5/86	Process for forming plasticized polyvinyl butyral interlayers; blending, extrusion
4,610,059	9/9/86	Warp monitoring and beaming process
4,611,082	9/9/86	Production of hex-3-enedioate esters from 1,4 dialkoxy butenes
4,615,840	10/7/86	Aminomethylenephosphonic acid solutions
4,618,733	10/21/86	Vapor phase nitration of aromatic compounds; group 4B-group 3B metal mixed oxide catalyst
4,619,803	10/28/86	Self-texturing nylon yarn spinning process; joining hot and cold melts of a single polymer below spinneret
4,619,853	10/28/86	Easy-clean carpets which are stain resistant and water impervious
4,627,940	12/9/86	Process for preparing a polyamide; shipping wet acid crystals, rinsing container with aqueous solution to dissolve
4,628,131	12/9/86	Vapor phase nitration of aromatic compounds; group 3B-group 4B mixed metal oxide catalyst
4,633,015	12/30/86	Production of adipic acid from 1,4-disubstituted-2-butene; catalytic carbonylation in aprotic solvent, hydrogenation and hydrolysis
4,639,480	1/27/87	Polyester compositions containing a phthalimide; plasticizing

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4,643,930	2/17/87	Novel carpets with yarns coated with fluorocarbon and adhesive containing fluorocarbon; resists soiling and is substantially impervious to water
4,646,514	3/3/87	Partially oriented nylon yarn and process
4,654,179	3/31/87	Polyvinyl butyral sheet roughness control; aldehyde crosslinker
4,663,432	5/5/87	Polymeric alkylene diphosphonate anhydrides, their production and use; anitiscaling, corrosion resistance
4,666,623	5/19/87	Granular aminomethylenephosphate; dry detergent
4,666,636	5/19/87	Production of sodium phenol sulfonate
4,673,508	6/16/87	Inhibition of calcium phosphate scale formation with a maleate polymer
4,680,212	7/14/87	Stain resistant nylon fibers; carpet fibers; sulfonic phenolic resins as stain blockers
4,693,728	9/15/87	Hydrocolloid blend for controlled release of calcium ions
4,701,518	10/20/87	Antimicrobial nylon prepared in water with zinc compound and phosphorus compound; permanence
4,704,465	11/3/87	Process for preparing ethylenediaminetetraacetonitrile; via ethylenediamine-formaldehyde intermediate
4,720,943	1/26/88	Cord structure
4,721,650	1/26/88	Partially oriented nylon yarn and process; polyamide containing branching agent
4,728,460	3/1/88	Aminomethylenephosphonic acid solutions; crystallization inhibitor
4,731,465	3/15/88	Process for producing nitrilotriacetonitrile
4,746,642	5/24/88	Vapor phase nitration catalysts; selective distribution of isomers in nitration of chlorobenzene
4,757,043	7/12/88	Process for preparing vapor phase nitration catalysts; contacting group 4B-3B mixed oxide with sulfur trioxide
4,759,032	7/19/88	Electrode seal assembly
4,760,691	8/2/88	Partially oriented nylon yarn and process; false-twist heatset textured nylon 66
4,764,303	8/16/88	Aminomethylenephosphonate compositions; solid phase-mixture with sodium (bi) sulfate
4,768,939	9/6/88	Apparatus for forming shaped interlayer blanks
4,787,980	11/29/88	Ultra pure water system monitoring; continuous sampling, analyzing; multiplex units, electronic controller; for industry
4,797,317	1/10/1989	Solar Control Window Film
4,808,357	2/28/89	Process for forming shaped interlayer blanks; extruding sheet with varying thickness and stretching to form uniform curved shape
4,814,529	3/21/89	Cross-linked polyvinyl butyral; laminated safety glass
4,816,550	3/28/89	Polyamide feed yarn for air-jet texturing; spun through non-round capillaries at high speed
4,828,778	5/9/89	Method for continuous injection molding
4,839,065	6/13/89	Fire retardant concentrates and methods for preparation thereof; aqueous mixture of ammonium phosphates with thickeners; water-dilutable fro dropping from aircraft
4,839,211	6/13/89	Saxony carpet having improved appearance retention; blend of staple high shrinkage fibers
4,839,212	6/13/89	Stain resistant nylon carpets; overcoating with a sulfomated polymer
4,843,006	6/27/89	RecA promoter dependent polypeptide production; genetic vectors
4,851,466	7/25/89	Process for preparing heat and light stabilized nylon 66 polymer; polyhexamethylene adipamide, potassium iodide and/or bromide, cupric ammonium carbonate or amino-hydroxide
4,859,208	8/22/89	Calcium control system: hydrocolloid and alginate for dye printing
4,861,650	8/29/89	Polyimide laminates; mixture of maleimide and maleamic acid with polyamine
4,866,109	9/12/89	Method of making reinforced materials having an improved reinforcing material therein; concrete with acrylic homopolymer fibers
4,867,901	9/19/89	Improved process for reacting salts of D,L-tartaric and maleic acid in the production of ether carboxylate mixtures; calcium catalyst
4,873,142	10/10/89	Acrylic fibers having superior abrasion/fatigue resistance; wet-spun tow consists of acrylonitrile copolymer
4,874,814	10/17/89	Cross-linked polyvinyl butyral; with di- or trialdehyde; molecular weight control
4,879,180	11/7/89	Stain-resistant nylon fibers; carpet
4,882,222	11/21/89	Carpet fiber blends; of conventional fibers and high shrinkage fibers; better appearance retention in traffic
4,882,382	11/21/89	Rubber modified reaction molded nylon-6 block copolymers; dispersions of core-shell polymers in caprolactam solutions of telechelic polymers
4,891,413	1/2/90	Cyclopentane diester vinylene polymers; engineering thermoplastics
4,891,414	1/2/90	Cyclopentane diol vinylene polymers; hydrolysis of polymer from diester of

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Patent Number	Issue Date	Title
4,892,558	1/9/90	norbornenediol Process for dyeing stain resistant nylon carpets; adding stain blocker to dye solution
4,900,759	2/13/90	Phenolic foams; closed-cell phenol-formaldehyde resole; fireproof, rupture resistant, insulation
4,901,517	2/20/90	Apparatus for the drafting section of ring spinning frames
4,902,464	2/20/90	Cross-linked polyvinyl butyral; using di (or tri) aldehydes
4,913,869	4/3/90	Wet-spinning processes for producing acrylic filaments; reducing filament breaks; correlating drying roll stretches and wet stretch
4,931,536	6/5/90	Hydroxy functional acrylamidomethyl amino resins; precursors for epoxidized amino resins; methylolating cyclic urea or melamine components, etherification, acrylamidation, transesterification, epoxidation
4,931,537	6/5/90	Polyglycidamide coating compositions; curable epoxy systems; hydroxy-functional glycidamides from amino resins; solvent, weather resistant
4,933,013	6/3/1988	Transparent Conductive Coatings
4,948,516	8/14/90	Method of disposing of wastes containing heavy metal compounds; neutralizing, oxidizing, solidifying using mineral binders
4,950,714	8/21/90	Cross-linked polyvinyl butyral sheet; laminated safety glass
4,950,787	8/21/90	Chemical process; reacting maleic acid and tartaric acid salts in the presence of calcium catalyst to produce 1-hydroxy-3-oxa-1,2,4,5-pentane tetracarboxylic acid and 3,6-dioxo-1,2,4,5,7,8-octane-hexacarboxylic acid
4,952,457	8/28/90	Laminated safety glass and polymeric laminate for use therein; plasticized polyvinyl butyral, adhesion control agent, a clear polymer film; windshields
4,952,541	8/28/90	Acrylonitrile dimerization process and method of treating residual catalyst; deactivation of catalytic phosphorous compound by oxidation to pentavalent state
4,971,724	11/20/90	Process for corrosion inhibition of ferrous metals; adding amino acid derivatives to water, increasing viscosity to create corrosion resistance
4,971,881	11/20/90	Toner composition comprising rosin modified styrene acrylic resin
4,973,511	11/27/90	Composite solar/safety film and laminated window assembly made therefrom
4,975,325	12/4/90	Self crimpable nylon 66 carpet yarn; containing chain branching element to prevent broken filaments; provides good luster
4,981,885	1/1/91	Polymer dispersions, process for their preparation, and their use as binders; paints
4,987,266	1/22/91	Process for the manufacture of nitrophenetole; n-alkylpyrrolidone as cosolvent
4,989,752	2/5/91	Frangible roof joint for storage tanks
5,003,066	3/26/91	Process for the preparation of polyglycidamides; epoxy derivatives of cyclic ureas and aminotriazines used with polyamines and other epoxy reactive oligomers to provide crosslinkable coating compositions
5,006,582	4/9/91	Acrylic hot melt pressure sensitive adhesive compositions; a macromolecule monomer-based thermoplastic comb copolymer, a tackifier and a plasticizer; tack, peel and creep resistance
5,013,779	5/7/91	Plasticized polyvinyl butyral and interlayer thereof; cyclohexyl adipate plasticizer, radiation resistance
5,013,780	5/7/91	Plasticized polyvinyl butyral and interlayer thereof
5,017,116	5/21/91	Spinning pack for wet spinning bicomponent filaments
5,024,895	6/18/91	Laminate for a safety glazing; plasticized polyvinyl butyral; polyethylene terephthalate carrier film; flexible; shrink stable; solar radiation control layer
5,028,471	7/2/91	Antiflea fibers
5,028,658	7/2/91	Sheet of polyvinyl butyral and polyurethane; safety glass
5,037,869	8/6/91	Process for preparing flame retardant polyamide molding resins containing melamine cyanurate; melt blending with melamine and cyanuric acid in the presence of water; adding a glycol and phthalate ester; improved mechanical properties
5,043,384	8/27/91	Blow molding nylon resins; polymer blends; controlling melt viscosity
5,051,469	9/24/91	Rubber modified reaction molded nylon-6 block copolymers; shell-core polymers with improved impact strength including a telechelic polymer
5,055,577	10/8/91	Preparation for urethane products; forming ammonium carbamate from amines and carbon dioxide, followed by reaction with palladium chloride-diolefin complex; reduction
5,058,371	10/22/91	Continuous filament yarn for trackless carpet
5,068,407	11/26/91	Oxidation of tertiary-alkyl substituted aromatics; forming carboxylic acids by oxidation with oxygen a tert-alkyl group on an aromatic compound with a metal catalyst
5,068,420	11/26/91	Process for preparing ether carboxylate builders; purification by basification, solvent extraction and separation
5,069,734	12/3/91	Dimensional stabilizing process; using polyvinyl butyral

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5,073,453	12/17/91	High tenacity nylon yarn; for use in tire cords
5,075,022	12/24/91	Heat transfer fluids; collecting solar energy using mixture of biphenyl, diphenyl oxide, ortho-and meta-terphenyl
5,079,063	1/7/92	Solution-spun antiflea fibers; carpet, yarns
5,079,315	1/7/92	Hybrid amino resin compositions; bonding and coating applications
5,079,379	1/7/92	Fluid bed process; ammoxidation of olefins to nitriles
5,084,257	1/28/92	Sulfur dioxide removal from stack gas; oxidation of sulfur dioxide to sulfur trioxide with molybdenum catalysts and reaction with calcium to form calcium sulfate
5,084,306	1/28/92	Process for coating fabrics with fluorochemicals; coating pile fabrics of carpets with fluorochemical emulsions and drying, rinsing and treating with a metal ion solution
5,087,502	2/11/92	Process and intermediate sheet for forming shaped interlayer blanks; plasticized polyvinyl butral; wedge-shaped thickness; graduated color strip; safety glass
5,087,690	2/11/92	Hybrid amino resin compositions; curable blend of an alkoxymethyl amino resin, hydroxy coreactant, a (meth)acryloyl, an allylic or vinylbenzyl component and a metal sulfonate catalyst; high solids; compatibility; gloss hardness; adhesives; coatings
5,091,258	2/25/92	Laminate for a safety glass; reduced optical defects; used in vehicle windows
5,093,061	3/3/92	Deep dyeing conjugate yarn processes; melt spinning incompatible polymers, quenching, winding, splitting with boiling water
5,093,253	3/3/92	Method for microbial immobilization by entrapment in gellan gum; hardening with magnesium compound
5,117,046	5/26/92	Preparation of alkylidene diesters; from ether or ester and carbon monoxide and hydrogen
5,130,174	7/14/92	Shaped interlayer blank; plasticized polyvinylbutyral
5,137,673	8/11/92	Process for forming plasticized polyvinyl butyral sheet; continuously forcing through slot; gradient color band; radial distortion to form curved shape; uniform thickness
5,137,954	8/11/91	Polyvinyl butyral sheet; internal plasticizing by C7 to C15 aniphatic aldehyde groups; external ester plasticizer safety glass
5,145,744	9/8/92	Bilayer glazing panel; safety glass
5,159,896	11/3/92	Poultry nest pad
5,177,049	1/5/93	Oxidation or tertiary-alkyl substituted aromatics; with catalyst of manganese, cobalt and a halide
5,182,154	1/26/93	Stain resistant nylon carpets; coating of sulfonated phenolic condensation resin
5,183,852	2/2/93	Polyblends containing polyurethane, polymer and siloxane crosslinker; heat, wear resistance; embossing; cables, pipes; antifogging, hydrophobic
5,189,098	2/23/93	Rubber modified reaction moldable nylon-6 compositions; from a dispersion of core-shell polymer in caprolactam
5,189,205	2/23/93	Process for preparing isocyanates; reacting carbon dioxide with a primary amine to form an ammonium carbamate salt; reacting with an electrophilic or oxophilic salt
5,200,498	4/6/93	Lactam-lactone copolymer; reacting monomer in presence of 3-12 carbon lactam magnesium halide catalyst and initiator; exhibits properties from plastic to elastomer
5,209,974	5/11/93	Copolymeric yarns for textured carpets; nylon 66 copolymers
5,221,708	6/22/93	Use of recovered polyvinyl butyral in the manufacture of flooring
5,223,638	6/29/93	Preparation of urethane and carbonate products; reacting primary or secondary amine with carbon dioxide in presence of strong amidine or guanidine base to form ammonium carbamate salt, reacting in polar aprotic solvent with primary or secondary hydrocarbyl halide
5,225,470	7/6/93	Acrylic hot melt pressure sensitive adhesive compositions; comb polymers
5,232,956	8/3/93	Flexible water-blown polyurethane foams; of a polyol and diphenylmethane diisocyanate, and a phthalate, benzoate or phosphate ester plasticizer
5,232,989	8/3/93	Functionalized polymers; hydroformylation of polyolefins, reduction to hydroxyl groups, reacting with diisocyanate
5,233,010	8/3/93	Process for preparing isocyanate and carbamate ester products; reacting carbon dioxide and an aromatic diamine in an aprotic solvent and a base to produce a carbamate salt; dehydration; reacting an amide with nitrobenzene and reducing to obtain the same
5,233,111	8/3/93	Catalytic process for selective alkylation of aromatic hydrocarbons; using acid form of dealuminated small pore mordenite
5,234,969	8/10/93	Cured phenolic foams; closed-cell foam; dimensional stability
5,238,994	8/24/93	Forming polyvinyl butyral; adding surfactant after gel break
5,244,546	9/14/93	Process for preparing tetraalkyl butanetetracarboxylates
5,245,005	9/14/93	Process for the production of linear amorphous polyamides with excess

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5,246,764	9/21/93	diaminel; amine end groups, phosphinic acid catalyst
5,248,396	9/28/93	Laminated glazing with improved impact strength; blocking resistance
5,260,473	11/9/93	Process for preparing butanetetracarboxylic acid; hydrodimerization of dialkyl maleate
5,264,058	11/23/93	Preparation of urethane and carbonate products; reaction of alcohol and carbon dioxide in aprotic solvent and strong amidine or guanidine base
5,266,665	11/30/93	Forming a shaped pre laminate and bilayer glazing of glass and plastic; drawing plastic layers against hot contoured mold surface, transferring perform to glass layer to heat bond the layers, cooling
5,276,066	1/4/94	Metathesis polymerization catalyst and method of polymerizing cyclic olefins therewith; ring-opening, metal halide
5,277,855	1/11/94	Halogen-free cyclic phosphorous-containing flame retardant compounds
5,281,674	1/25/94	Process for forming a yarn having at least one electrically conductive filament by simultaneously cospinning conductive and non-conductive filaments
5,288,523	2/22/94	Crosslinkable resin composition comprising a thermoplastic resin; thermoplastic resin blends
5,294,384	3/15/94	Crosslinkable resin composition comprising a thermoplastic resin; containing a (meth)allyloxy compound
5,298,651	3/29/94	Thermoplastic composition and method for producing thermoplastic composition by melt blending carpet; heating, pressurizing and mixing a sample comprising nylon tufts, polyolefin backing and butadiene-styrene adhesive
5,298,653	3/29/94	Process for preparing isocyanates using phosphazine catalysts; reaction of primary amine and carbon dioxide
5,302,717	4/12/94	Process for preparing 1,2,3,4-butanetetracarboxylic acid; hydrolysis of ester using acid catalyst; using hydrogen peroxide to remove color impurities
5,320,893	6/14/94	Preparation of urethane and carbonate products; reacting an amine or alcohol with carbon dioxide in the presence of a phosphazene base and an amidine or guanidine using a polar aprotic solvent
5,329,020	7/12/94	Prelaminate with a partial cut to protect a solar coating from corrosion; during lamination, forming window, the substrate shrinks to create a channel into which flows plasticized polyvinyl butyral to block edge wall of coating to protect metal layer from corrosion
5,331,099	7/19/94	Preparation of polysuccinimide; catalytic polymerization of aspartic acid in the presence of carbon dioxide
5,334,452	8/2/94	Process for preparing p-nitroaromatic amides and products thereof
5,342,653	8/30/94	Carpet fibers having multifoliate cross-sectional configuration; multilobal polymeric fibers, for carpets with controlled sheen and luster
5,344,934	9/6/94	Method of producing polyvinyl butyral sheet having a desired level of glass adhesion; applying multiplicity of spaced anti-adhesion projections to surface of sheet
5,346,569	9/13/94	Preparation of urethane and carbonate products; reaction of carbon dioxide and amine in aprotic solvents
5,349,038	9/20/94	Process for deairing an interface region; safety glazing
5,349,048	9/20/94	Stainblockers for nylon fibers; sulfonated phenolic resin oligomers, lightfast
5,349,081	9/20/94	Preparation of polycarbonate products; reaction of carbon dioxide with alcohol to form salt in solvent and reacting with hydrocarbyl halide
5,356,745	10/18/94	Process for preparing isocyanates; dehydration, primary amine and carbon dioxide
5,364,964	11/15/94	Increasing adhesion of polyester and plasticized polyvinyl butyral layers; laminate of polyester, interface of plasma polymerized chlorosilane and polyvinyl butyral
5,371,183	12/6/94	Process for preparing 1,2,3,4-butanetetracarboxylic acid; hydrolyzing the tetramethyl ester; methanol distillation; oxidation with hydrogen peroxide; discoloration inhibition
5,374,707	12/20/94	Preparation of urethane from polyamine and carbon dioxide; reacting diamine or polyamine with carbon dioxide in solvent in presence of sterically hindered amidine or guanidine to form salt, reacting with hydrocarbyl dihalide or polyhalide in polar aprotic solvent, polymerizing product
5,380,794	1/10/95	Hydroxy ethyl bibenzoate; condensing mixture of aromatic dicarboxylic acid and diol in absence of catalyst
5,380,946	1/10/95	Polyvinyl butyral tackifier for vinyl chloride polymer compositions; tile compositions for synthetic floors
5,399,428	3/21/95	Process for preparing p-nitroaromatic amides and products thereof; from nitrobenzene and a nitrile
5,399,429	3/21/95	Flame retardant polyester copolymers; polyethylene terephthalate with hydroxyalkyl dicarboxylate and carboxy phosphinic acid
		Flame retardant recycled polyester copolymers; dihydroxyalkyl

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Patent Number	Issue Date	Title
5,401,428	3/28/95	dicarboxylates and fireproofing carboxyalkyl or aryl phosphinic acid
5,413,828	5/9/95	Water soluble metal working fluids; polyaspartic acid lubricant
5,419,850	5/30/95	Plastic article having flame retardant properties
5,425,895	6/20/95	Block detergent containing nitrilotriacetic acid; phosphate-free Block detergent containing nitrilotriacetic acid; solid block containing alkali metal salt of nitrilotriacetic acid, acid, alkali metal hydroxide and/or silicate, alkali metal carbonate and/or sulfate
5,425,977	6/20/95	Rough-surfaced interlayer
5,427,861	6/27/95	Laminated glazing panel having improved resistance to light exposure; plasticized sheet containing polyvinyl butyral and divalent metal salts of carboxylic acids bonded to chromate layer between glass panels; bonding strength
5,434,309	7/18/95	Controlled functional density poly (secondary amines); reductive amination (aminomethylation) of a hydroformylated diene-based olefin polymer using a primary amine and a ruthenium hydrogenation catalyst
5,436,371	7/25/95	Process for preparing p-nitroaromatic amides and products thereof
5,439,614	8/8/95	Oxidation inhibited fluid compositions; colloidal dispersion of aromatic ether and oxidation inhibiting amount of alkali metal salt of oxalic acid
5,443,651	8/22/95	Process for metal cleaning; polyamide or polypeptide
5,445,653	8/29/95	Method of dyeing nylon to produce colorfast fiber which resists further dyeing; applying very acidic solution of fiber reactive dye to fiber, contacting with alkaline solution, autoclaving
5,449,748	9/12/95	Preparation of anhydropolyamino acids at temperatures of 350 [degree(s)] C. or above; polysuccinimide formed by condensation of aspartic acid
5,451,697	9/19/95	Process for preparing isocyanates; carbon dioxide and primary amine
5,455,103	10/3/95	Rough-surfaced interlayer; polyvinyl butyral for laminated safety glass
5,457,139	10/10/95	Flexible water-blown polyurethane foams; nonhalogen-containing benzoate plasticizer
5,457,147	10/10/95	Controlled functional density poly (secondary amines) and method for preparation thereof; catalytic hydroformylation of an addition polymer; then reductive amination using a primary amine
5,457,155	10/10/95	Controlled functional density poly (secondary amines); hydroformylation followed by reductive amination of polymer with olefinic unsaturation; catalytic; having residual double bonds
5,458,968	10/17/95	Fiber bundles including reversible crimp filaments having improved dyeability
5,464,551	11/7/95	Stabilized phosphate ester-based functional fluid compositions; aircraft hydraulic fluid
5,464,569	11/7/95	Process for the preparation of oxidation inhibited fluid compositions; in situ formation of alkali metal oxalates in polyphenylene ether basestock
5,470,942	11/28/95	Preparation of anhydropolyamino acids; catalytic thermal polymerization of aspartic acid in the presence of methylenephosphonic acid and aminotris (methylenephosphonic acid)
5,474,767	12/12/95	Polyamines and method for preparation thereof; crosslinked; controlled density; water insoluble; residual unsaturation
5,478,412	12/26/95	Plastic sheet for a laminated glazing and method for controlling adhesion and reducing blocking thereof; plasticized partial polyvinyl butyral sheet having crosslinked polyurethane projections dispersed on its surface
5,482,767	1/9/96	Light-transmitting laminated panel and method of improving its impact resistance; layers of glass with impact resistant polyvinyl butyral layers
5,490,942	2/13/96	Process of inhibiting oxalate scale formation; polyaminoalkylene phosphonates are used to inhibit precipitation and deposition of calcium oxalate in an aqueous system
5,490,949	2/13/96	Block detergent containing nitrilotriacetic acid; containing alkali metal salt of nitrilotriacetic acid, alkali metal hydroxides, silicates, carbonates and (or) sulfates and an acid
5,492,758	2/20/96	Fiber blend for carpet yarns and watermarking resistant carpet formed therefrom
5,496,510	3/5/96	Acrylonitrile filament process; upholstery, garments
5,496,922	3/5/96	Decolorization of polysuccinimide
5,498,667	3/12/96	Thermoplastic composition and method for producing thermoplastic composition by melt blending carpet; polyesters or polypropylene tufts and polyolefin backings and butadiene-styrene copolymer adhesives with melt blending
5,508,109	4/16/96	Fiber blend for low cost, asbestos free fiction material; fibrillating a chopped polyacrylonitrile fiber and an oxidized polyacrylonitrile carbon fiber
5,525,661	6/11/96	Polymer solution for sizing paper; high molecular weight styrene-maleic half ester copolymers
5,525,703	6/11/96	Crosslinked polyaspartic acid and salts; derived from polysuccinimides, using

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Patent Number	Issue Date	Title
5,529,654	6/25/96	crosslinker 4-aminomethyl-1, 8-diaminooctane; used as thickener, flocculant, deflocculant and water absorber
5,529,848	6/25/96	Process forming a shaped laminate
5,529,849	6/25/96	Plasticized polyvinyl butyral sheet containing epoxy resin; light transmitting safety glazings for windows, windshields, sunroof, skylights; adhesion stability
5,536,347	7/16/96	Plasticized polyvinyl butyral sheet containing epoxy resin; laminated glazing panels with stabilized adhesion to photoreactive layers (radiation-reflecting or electroconductive coatings)
5,540,840	7/30/96	No autoclave process for forming a safety glass laminate
5,540,927	7/30/96	Use of fluidized bed reactors for treatment of wastes containing organic nitrogen compounds
5,542,206	8/6/96	Microencapsulation process by coacervation; using gelatin and polyaspartic acid for coacervation
5,545,833	8/13/96	Lure and tackle stacking container
5,547,736	8/20/96	Phosphorous-containing polymers and fibers formed therefrom; polyamides; carpets
5,552,185	9/3/96	Block-resistant partial polyvinyl butyral; multitude of spaced projections on surface of sheet
5,552,517	9/3/96	Plastic article having flame retardant properties; coating of polyolefin and ammonium phosphate or polyphosphate
5,559,193	9/24/96	Production of polysuccinimide in an organic medium; polymerization of aspartic acid, high boiling alkanol or alkane solvent, improved color
5,591,802	1/7/97	Controlled functional density polyamines and method for preparation thereof; reacting unsaturated polymer with pendant aldehyde groups with amine, reductive amination
5,593,751	1/14/97	Thermoplastic composition and method for producing thermoplastic composition by melt blending carpet
5,594,069	1/14/97	Nylon fiber blends for Saxony carpets
5,595,818	1/21/97	Process for producing mixed poly(vinyl acetal)s; butyl and long chain acetals
5,599,872	2/4/97	Rough-surfaced polyvinyl butyral sheet and method of forming same; safety glass
5,606,106	2/25/97	Pressure-sensitive adhesive composition containing styrene-maleic copolymers; organic solvent solution of an acrylate copolymer having carboxyl or hydroxyl groups and a styrene-maleic anhydride, dialkyl maleate or monoalkyl maleate; heat and plasticizer resistance
5,616,544	4/1/97	Hexamethylene phosphonate concentrate; concentrated aqueous storage stable solution
5,618,863	4/8/97	Water soluble metal working fluids; polyaspartic acid solution
5,621,059	4/15/97	UV stable polyvinyl butyral sheet; hydroxyphenyl substituted benzotriazole compound
5,624,599	4/29/97	Polymeric flow modifiers; acrylic acid, alkyl acrylate, waterborne coating material additives
5,624,968	4/29/97	Liquid hardeners for soil grouting formulations
5,631,315	5/20/97	Flexible water-blown polyurethane foams
5,648,034	7/15/97	Plasticized polyvinyl butyral sheet containing epoxy resin; improved adhesion to glass sheets with metal oxide reflective coatings and/or electrically conductive coatings
5,665,694	9/9/97	Process of making cut, shaped blanks; thermoplastic resin for laminated windshields
5,672,579	9/30/97	Block detergent containing nitrilotriacetic acid; alkali metal hydroxides, silicates, sulfates, and carbonates; slurring, curing, solidifying, and shaping
5,672,777	9/30/97	Water based dimethyl ester cleaning solution; containing dimethyl adipate, dimethyl glutarate, dimethyl succinate, isopropanol
5,696,290	12/9/97	Catalysts for production of phenol and its derivatives; catalyzed oxidative hydroxylation using pre-hydrotreated and heat treated iron-containing zeolite as acid catalyst
5,703,134	12/30/97	Synthesis of penta-substituted guanidines; reacting a tri-substituted urea with a di-substituted amine in presence of an aprotic solvent and base
5,744,693	4/28/98	Copolymers of recycled polyester; heating polyethylene terephthalic with dicarboxylic acid
5,750,603	5/12/98	Granular alkali metal nitrilotriacetate
5,773,068	6/30/98	Polymer-bound non-halogen fire resistant compositions; polyamide containing carboxy-phosphinic or -phosphinic acid units
5,791,574	8/11/98	Leavening system and products therefrom
5,808,167	9/15/98	Yarn bobbin with improved snagger
		Selective introduction of active sites for hydroxylation of benzene

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Patent Number	Issue Date	Title
5,830,240	11/3/98	Fibers & textile materials having enhanced dyeability & finish compositions used thereof
5,844,028	12/1/98	Cyclic phosphorus containing flame retardant compounds
5,844,568	11/10/98	Forming crosslinked polysuccinimide
5,853,828	1/5/98	Safety glass structure resistant to extreme wind and impact
5,856,427	12/29/99	Process for the production of polysuccinimide
5,859,149	1/12/99	Production of solid polyaspartate salt
5,859,179	1/12/99	Forming superabsorbent polymer
5,861,531	1/19/99	Process for producing granular alkali metal nitrilotriacetate
5,867,957	2/9/99	Sound insulation pad and use thereof
5,874,646	2/23/99	Preparation of phenol or phenol derivatives
5,874,647	2/23/99	Benzene hydroxylation catalyst stability by acid treatment
5,889,072	3/30/99	Process for preparing superabsorbing crosslinked polyaspartate salt
5,889,138	3/30/99	Process for making stain resistant nylon fibers from highly sulfonated nylon copolymers
5,891,491	4/6/99	Use of dihydroxyquinoline compounds to extend the shelf life of products of mammals and fish; preservation of meats and fish
5,892,132	4/6/99	Transport hydroxylation reactor
5,895,822	4/20/99	Process for purifying acrylonitrile
5,900,519	5/4/99	Catalytic process for the selective alkylation of polycyclic aromatic compounds
5,916,410	6/29/99	Carpet reclamation process; contacting carpet including backing with dimethyl ester, separating pile from backing
5,925,798	7/20/98	Thoria catalyst
5,944,852	8/31/99	Dyeing process
5,952,406	9/14/99	Fire retarded polyamide
5,972,046	10/26/99	Method for dyeing cationic dyeable nylon with fiber reactive dyes without heat setting
5,972,280	10/26/99	Pneumatic embossing
5,977,008	11/2/99	Selective introduction of active sites for hydroxylation of benzene
5,980,738	11/9/99	Porous polymeric biosupports; for biotreatment of aqueous waste stream wherein microorganisms are colonized within the pores of biosupports comprising polymeric material, fiber reinforcement, adsorbant material and inorganic filler
5,981,761	11/9/99	Crosslinked polyaspartate salts a process for their production
5,997,791	12/7/99	Superabsorbing fibers and films and processes for preparing same
5,998,663	12/7/99	Granular alkali metal nitrilotriacetate
5,999,255	12/7/99	Method and apparatus for measuring Raman spectra and physical properties in-situ
6,017,564	1/25/00	Treatment of stressed animals with dihydroxyquinoline compounds
6,020,520	2/1/00	Process for the preparation of tetraalkyl 1,2,3,4-butanetetracarboxylates
6,027,804	2/22/00	Superabsorbing compositions and processes for preparing same; contacting dewatered cellulose pulp with a solution of a crosslinkable, uncrosslinked, partially hydrolyzed, internally plasticized polysuccinimide composition to produce an at least partially coated cellulose pulp, drying
6,036,726	3/14/00	Process for separating polyamide from colorant
6,037,421	3/14/00	Functionalized polymers
6,037,430	3/14/00	Radiation sterilizable pressure sensitive adhesive
6,045,700	4/4/00	Retrievable organic carbon scavengers for cleaning of contaminated surface water sediments
6,048,955	4/11/00	Modacrylic copolymer composition
6,051,200	4/18/00	Process for preparing hemipotassium phosphate
6,066,394	5/23/00	Plasticizer resistant emulsion acrylic pressure sensitive adhesive
6,066,687	5/23/00	Acrylic fiber with high optical brightness
6,077,374	6/20/00	Method of preparing pre laminate using rough-surfaced interlayer

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Patent Number	Issue Date	Title
6,083,283	7/4/00	Method for removing color from ionically dyeable polymeric materials
6,093,471	7/25/00	Polyvinyl butyral sheet
6,110,559	8/29/00	Plastic article having flame retardant properties
6,114,427	9/5/00	Method for producing a dispersible, fine titanium pyrophosphate powder
6,117,338	9/12/00	Continuous polymer melt filtration
6,117,488	9/12/00	Non-sag liquid application method; coating on substrate to prevent sag
6,117,829	9/12/00	Dibasic ester gel/paste composition and use of same for removing polysulfide and other chemicals from substrates
6,140,773	10/31/2000	Automated Control Of Linear Constricted Plasma Source Array
6,143,387	11/07/00	UV Shield
6,143,835	11/7/00	Polyacrylonitrile polymer treatment
6,149,960	11/21/00	Process and formulation for a chemically leavened dough or bakery product
6,150,495	11/21/00	Superabsorbing fibers and films and process for preparing same
6,156,938	12/5/00	Process for making phenol or phenol derivatives
6,162,537	12/19/00	Implantable fibers and medical articles
6,162,541	12/19/01	Superabsorbing fibers and films and process for preparing same
6,169,162	1/2/01	Continuous polyamidation process
6,197,855	3/6/01	Nucleation of Polyamides in the presence of hypophosphite
6,200,499	3/13/01	Compositions for corrosion inhibition of ferrous metals
6,211,286	4/3/01	Binders for soft feel coating materials
6,211,306	4/3/01	Polyester polyols of low molar mass, their preparation and use in coating compositions
6,221,112	4/24/2001	Process For Producing A Colored Polyester Film; Providing Dye Mixture Which Is A Suspension Of Disperse Dyestuff In Solution Of Thickener In Water; Coating Onto Polyester Film To Form Layer; Heating To Cause Dyestuff To Migrate From Layer Into Film
6,228,245	5/8/01	Process for the preparation of tetraalkyl 1,2,3,4-butanetetracarboxylates
6,238,621	5/29/01	Corrosion inhibiting compositions
6,255,539	7/3/01	Chemical composition and process
6,265,468	7/24/01	Aqueous polyurethane dispersions and coatings prepared therefrom; crosslinked blend with aromatic polyether
6,268,450	7/31/01	Acrylic fiber polymer precursor and fiber
6,277,933	8/21/01	Polyacrylonitrile particles by surfmer polymerization and sodium removal by chemical exchange
6,277,944	8/21/01	Alkylated and/or aralkylated polyhydroxy aromatic compounds and processes for their preparation and use
6,280,980	8/28/01	Process for the production of L-aspartic acid
6,281,388	8/28/01	Low pressure amine reactor
6,284,321	9/4/01	Unsaturated polyesterurethane acrylates as binders for powder coatings
6,287,689	9/11/01	Low surface energy fibers
6,294,588	9/25/01	Superabsorbing fibers and films and processes for preparing same
6,320,071	11/20/01	Production of 2-carboxyalkyl (phenyl)phosphinic acid
6,329,473	12/11/01	Amine-modified epoxy resin composition
6,331,582	12/18/01	Low gloss coating
6,339,169	1/15/02	Method of quenching gaseous acrylonitrile
6,340,000	1/22/02	Cleaning poultry manure from support surfaces of an egg-laying installation
6,350,816	2/26/02	Process for synthesis of resins containing unsaturations of the (meth) acrylic type to be cured by radiation or heat and used for powder paints
6,355,794	3/12/02	Lactam derivatives for melamine impregnating resins, and resin mixtures containing them
6,357,388	3/19/02	Cat litter mat
6,359,029	3/19/02	Preparation and use of cold-plastic coating compositions based on acrylate resins
6,359,060	3/19/02	Oxidatively drying polyurethane dispersions
6,391,984	5/21/02	Polymerization Process
6,399,814	6/4/02	Process for the preparation of 2-carboxyalkyl(aryl)phosphinic acid and corresponding anhydride(s)
6,399,825	6/4/02	Process for manufacture of dimethyl acetamide

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Patent Number	Issue Date	Title
6,406,753	6/18/02	Aqueous coating composition
6,413,635	7/2/02	Elastic nylon yarns
6,414,079	7/2/02	Water dilutable binders for soft feel coating materials
6,423,771	7/23/02	Aqueous coating composition
6,429,254	8/6/02	Aqueous polyurethane dispersions containing polybutadiene units
6,432,338	8/13/02	Propulsion system for contoured film and method of use
6,433,079	8/13/02	Aqueous anticorrosion primers based on polyvinylbutyral
6,462,124	10/8/02	Water-dilutable coating of oh-acrylate or polyesterurethane resin and blocked acid catalyst
6,465,536	10/15/02	Superabsorbing fibers and films and processes for preparing same
6,465,582	10/15/02	Polyoxazoline compounds and their use in surface coating compositions
6,469,096	10/22/02	Emulsifiers for high-solids alkyd resin emulsions
6,489,398	12/3/03	Water-dilutable brushing paint based on water-soluble alkyd resins
6,492,457	12/10/02	Two-component systems based on water-soluble polyesters and blocked isocyanates for aqueous baking varnishes
6,515,042	2/4/03	Aqueous self-crosslinking copolymer dispersions, a process for preparing them and their use in binders for coating materials
6,521,700	2/18/03	Aqueous coating composition
6,524,508	2/25/03	Process of making chitosan-containing acrylic fibers
6,527,983	3/4/03	Method for inhibiting scale formation
6,562,896	5/13/03	Non-halogenated polyamide composition
6,572,972	6/3/2003	Aqueous binders
6,573,413	6/3/03	Process for activating catalyst for the hydroxylation of aromatics
6,579,964	6/17/03	Water-dilutable etherified melamine-formaldehyde resins
6,596,817	7/22/03	Low molar mass aliphatic polyester polyols, their preparation and use in high performance coating compositions
6,617,393	9/9/03	Aqueous binder mixture
6,620,872	9/16/03	Infrared (IR) absorbing polyvinyl butyral composition, sheet thereof and laminate containing the same
6,624,097	9/23/03	Implantable fibers and medical articles
60/439,975	1/14/03	Recycle of Condensed Quench Overheads in a
60/458,615	3/28/03	An Integrated and Web-Enabled Drug Development
60/458,817	3/28/03	Integrated System for Managing Active Pharmaceutical
60/468,639	5/08/03	Method and Apparatus for Splicing Indeterminate
60018102	7/20/1995	Stabilization Of Polyaspartic Acid
60061642	10/9/1997	MOCP061 - Method For Separating Phosphorus Ox
60062346	10/15/1997	MOCP080-Carbon Dioxide Assisted Hydrolysis Of
60178680	1/28/2000	Metals Removal From Electrolyte Used In Elect
60214755	6/27/2000	Acoustic Insulating Glass Laminates
60285365	4/20/2001	Carbon Black Pigmented Yarn With Improved Phy
60296316	6/6/2001	METHOD FOR INHIBITING CaCO3 SCALE IN KRAFT PR
60344263	12/27/2001	Non-Autoclave Nip Roll Glass Lamination Proce
60360316	2/28/2002	Embossed Reflective Laminates
60423564	11/4/2002	Improved Functional Fluid Compositions Contai
60439975	1/14/2003	Recycle Of Condensed Quench Overheads In A Pr
60458615	3/28/2003	Methods And Structure For Integrated Manageme
60458817	3/28/2003	Integrated System For Managing Active Pharmac
60465636	4/25/2003	Protective Film For Glazing
60468639	5/8/2003	Method And Apparatus For Splicing Indetermina
60471443	5/16/2003	Methods And Structure For Integrated Manageme
60480039	6/21/2003	Film Having A Coating With Release Properties
658309	7/27/1967	Classified
8092932	7/19/1993	Compositions For Corrosion In Hibiition Of Fer
8344908	11/25/1994	Process For The Preparation Of Oxidation Inhi

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Patent Number	Issue Date	Title
8399301	3/6/1995	Novel Polyamines & Method For Preparation Th
8614106	3/12/1996	Nutrient Composition To Increase Anaerobic Fe
8901603	7/28/1997	Fiber Optic Interface For Laser Spectroscopic
8962670	11/3/1997	Sun Shield
8966357	11/7/1997	Food Acidulant
8997792	12/24/1997	Method For Producing A Dispersible, Fine Tita
90004683	7/2/1997	Stabilized Phosphate Ester-Based Functional F
9014768	1/28/1998	Method For Producing An Even Coating On A Ver
9015495	1/28/1998	Controlled Functional Density Polyamines And
9065290	4/23/1998	Solution Crystallization Process For The Prod
9066634	4/24/1998	Fire Resistant Cellulosic Materials And Rende
9110641	7/6/1998	A Method To Produce Nitrous Oxide
9163342	9/30/1998	Sound Insulation Pad And Use Thereof
9216621	12/17/1998	Method Of Coating Nylon & Polyester Fibers Wi
9242821	2/24/1999	Novel Water Soluble Metal Working Fluids
9249054	2/12/1999	Process To Prepare A Polymer Nanocomposite Co
9256226	2/24/1999	Fire Retardant Concentrates And Methods For P
9261497	3/3/1999	Colorant Liquid, Method Of Use, And Wildland
9320077	5/26/1999	Process For Nitrous Oxide Purification
9320078	5/26/1999	Control System For Continuous Polyamidation P
9333431	6/15/1999	Process For Recovery Of Olefinically Unsatura
9361029	7/23/1999	Method Of Cleaning Aluminum And Aluminum Allo
9377777	8/20/1999	Optical Filter For A Window
9382349	8/25/1999	Composition For Odor Neutralization
9417148	10/12/1999	Acrylic Fiber Composition
9487533	1/19/2000	Hydroxylation Of Aromatic Compounds At Elevat
9586201	6/2/2000	Antistatic Yarn, Fabric, Carpet And Fiber Ble
9651082	8/30/2000	Heat Reflecting Film With Low Visible Reflect
9730488	12/5/2000	Implantable Fibers And Medical Articles
9736340	12/15/2000	Device For Deairing Laminates
9737234	12/14/2000	Intrusion Resistant Glass Laminate
9787344	3/16/2001	Photosensitive Plastics Films And Information
9801883	3/8/2001	Stabilized Phosphate Ester-Based Functional F
9851072	5/8/2001	Functional Fluid Compositions Containing Epox
9851321	5/9/2001	Transparent Conductive Stratiform Coating Of
9878940	6/13/2001	Optically Active Film Composite
9926419	10/30/2001	Low Reflection Composite In Transparent Matri
9936939	11/13/2001	Block Copolymer Film
9947840	9/6/2001	Compositions And Methods For Reducing Odor
9951447	9/14/2001	Durable, Low Ohm, High Transmission
9962750	9/25/2001	Intrusion Resistant Glass Laminates
9963110	9/25/2001	Low Density Acrylic Fiber
9964296	9/20/2001	Process For Recovery Of Olefinically Unsatura
9993357	11/16/2001	Low Surface Energy Fibers
H1,936	1/2/01	Method of coating nylon and polyester fibers with water dispersible polyvinyl acetate and coating achieved therefrom
RE33,059	9/19/89	Partially oriented nylon yarn and process
RE33,365	10/2/90	Stain resistant nylon fibers; coating surface with stain blockers

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Patent Number	Issue Date	Title
* RE37,101	3/20/01	Stabilized phosphate ester-based functional fluid compositions

CR FILMS INC. PATENTS AND PATENT APPLICATIONS

Country	Patent Number	Issue Date	Title
US	4,690,845	10/28/85	Method And Apparatus For Laminating Flexible Printed Circuits
US	4,857,400	8/15/89	Straiform Press Pads & Methods For Use Thereof In Laminating Flexible Printed Circuits
US	4,557,980	12/10/85	Radiation Curable Coating For Film Structure
US	4,797,317	9/27/84	Solar Control Film
US	4,634,637	1/6/87	Solar Control Film
US	4,802,967	6/13/89	Surface Treatment Of Polymers
US	4,865,711	9/12/89	Surface Treatment Of Polymers
US	4,913,762	4/3/90	Surface Treatment Of Polymers For Bonding By Applying A Carbon Layer With Sputtering
US	5,095,077	3/10/92	High Performance Epoxy Based Coverlay & Bond Ply Adhesive With Heat Activated Cure Mechanism Using Polyester-Aziridine Reaction Products
US	5,194,307	3/10/93	High Performance Epoxy Based Coverlay & Bond Ply Adhesive With Heat Activated Cure Mechanism Using Polyester-Aziridine Reaction Products
US	5,888,654	7/30/99	High Performance Epoxy Based Laminating Adhesive
US	4,861,648	8/29/89	Materials For Laminating Flexible Printed Circuits
US	4,977,013	6/3/88	Transparent Conductive Coatings
US	4,933,823	6/19/89	Reflector Material For Artificial Light Source
US	6,221,112	4/24/01	Gravure Printing Pet Film
US	5,902,634	5/11/99	Permeable Solar Control Film
US	6,266,193	7/24/01	Anti Reflective Films
US	6,143,387	11/7/00	UV Shield
US	6,007,901	12/28/99	Heat Reflecting Fenestration Products With Color Corrective & Corrosion Protective Layers
US	6,247,428	6/12/01	Low Reflective Films
US	6,590,451	6/18/00	Window Film Edge Sealing Method
US	6,294,233	9/25/01	Window Film Edge Sealing Kit & Method
US	6,304,720	10/16/01	Heat Shrinking Heat Gun With Fan-Shaped Nozzle With Temperature &/Or Airflow Variation Along The Nozzle
US	6,123,986	9/26/00	Permeable Solar Control Film
US	6,273,989	8/14/01	High Performance Epoxy Based Laminating Adhesive
US	6,140,773	10/31/00	Automated Control Of Linear Constricted Plasma Source Array
US	6,583,935	6/24/03	Low Reflection, High Transmission, Touch-Panel Membrane
US	6,440,551	8/27/02	Light-Stable Colored Transparent Composite Films
US	6,416,872	7/9/02	Heat Reflecting Film with Low Visible Reflectance; Radiation Transparent Glass Windows Having a Series of Interference, Infrared Metal and Non-Infrared Layers Effective in Reducing Thermoconductivity and Light Illumination/Transmission
US	US20020114942	8/22/02	Light-Stable Colored Transparent Composite Films
US	US20010033934	10/25/01	Low Reflective Films

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SHORT-FORM JUNIOR PATENT SECURITY AGREEMENT

WHEREAS, each of the signatories hereto (the "Grantors") has adopted, used, is using and is the owner of its respective patents listed on the attached Schedule I of Patents and the issued patents and pending applications associated therewith;

WHEREAS, each Grantor has entered into (i) a Security Agreement dated as of October 8, 2003 (the "Security Agreement") between the Grantors, Solutia Business Enterprises, Inc., Monchem, Inc., Monchem International, Inc., Solutia Investments, LLC, Solutia Systems, Inc. and Ableco Finance LLC (the "Collateral Agent") and (ii) an Assignment for Security dated as of October 8, 2003 (the "Assignment for Security"), in which such Grantor has granted certain interests in favor of the Secured Parties, as such term is defined in the Security Agreement.

WHEREAS, pursuant to the Security Agreement and the Assignment for Security, each Grantor assigned, conveyed, mortgaged, pledged and granted to the Collateral Agent, for the benefit of the Secured Parties, according to the terms of the Security Agreement, a security interest in all of its right, title and interest in, to and under all the patent collateral of such Grantor located in the United States of America, including its respective patents listed on the attached Schedule I, and all issued patents and pending applications associated therewith ("Senior Patent Collateral"), as collateral security for the prompt and complete payment and performance when due of all the Obligations, as such term is defined in the Security Agreement.

WHEREAS, each Grantor has contemporaneously with the execution of this Short-Form Junior Patent Security Agreement entered into an Amended, Restated and Novated Junior Security Agreement dated as of October 8, 2003 (the "Junior Security Agreement") between the Grantors, Solutia Business Enterprises, Inc., Monchem, Inc., Monchem International, Inc., Solutia Investments, LLC, Solutia Systems, Inc., the Collateral Agent and HSBC Bank USA (the "Trustee") in which such Grantor has granted certain interests in favor of the Junior Secured Parties, as such term is defined in the Junior Security Agreement;

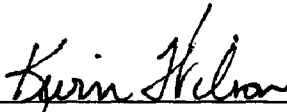
WHEREAS, pursuant to the Junior Security Agreement, each Grantor has agreed with the Trustee to execute this Short-Form Junior Patent Security Agreement; and

WHEREAS, terms defined in the Junior Security Agreement are used herein as defined therein;

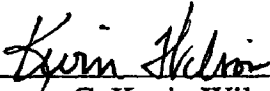
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor hereby assigns, conveys, mortgages, pledges and hereby grants to the Trustee, for the benefit of the Junior Secured Parties, according to the terms of the Junior Security Agreement, a security interest in the Senior Patent Collateral, as collateral security for the prompt and complete payment and performance when due of all the Junior Secured Obligations; provided that such security interest shall be junior to the security interest in the Senior Patent Collateral granted to the Collateral Agent pursuant to the Security Agreement.

Date: October 8, 2003

SOLUTIA INC.

By: 
Name: C. Kevin Wilson
Title: Vice President & Treasurer

CPFILMS INC.

By: 
Name: C. Kevin Wilson
Title: Vice President

Short-Form Junior Patent Security Agreement

SCHEDULE I

SOLUTIA INC. PATENTS AND PATENT APPLICATIONS

Patent Number	Issue Date	Title
10/065,094	9/17/02	Colorable Filaments from Polymer Blend
10/147,720	5/16/02	Infrared (IR) Absorbing Composition and Lamin
10/164,100	6/05/02	Method for Inhibiting CaCO ₃ Scale in Kraft
10/164,331	6/05/02	Method for Inhibiting CaCO ₃ Scale in Kraft
10/190,323	7/05/02	Tacky Polymer Melt Spinning Process
10/236,259	9/06/02	Process for Reducing Nitrogen Oxide Emissions
10/259,491	9/30/02	Device for Direct Insertion of Yarn in Automa
10/294,728	11/15/02	Non-autoclave NIP Roll Glass Lamination Procedure
10/306,664	11/27/02	Process for Preparing a Catalyst for the Oxidation
10/327,765	12/23/02	Low Pressure Process for the Manufacture of 3-
10/342,781	1/15/03	Fiber Reactive Dyeing System
10/346,137	1/16/03	Embossed Reflective Laminates
10/347,792	1/22/03	Plasticized Polyvinyl Butyral and Sheet
10/361,608	2/11/03	Cyclohexane Oxidation Catalyst
10/376,520	2/27/03	Use of Dinydroxyquinoline to Aid in Increasing
10/419,203	4/21/03	Pleated Support Tubes for Polymer Filters
10/427,412	5/01/03	Polyvinyl Butyral Sheet Having Antiblocking C
10/431,404	5/07/03	Tacky Polymer Melt Spinning Process
10/446,148	5/28/03	Plasma Display Panel Filters
10003890	10/25/2001	Anti-Static Woven Fabric And Flexible Bulk Co
10040275	11/1/2001	Computer System For The Analysis & Design Of
10102905	3/22/2002	Controlling Solar Radiation In Safety Glass L
10120009	4/10/2002	Process For Preparation Of Temperature-Sensit
10124779	4/18/2002	Light-Stable Colored Transparent Composite Fi
10135417	4/30/2002	Digital Color-Design Composite For Use In Lam
10135888	4/30/2002	Tacky Polymer Melt Spinning Process
10151082	6/15/1982	Acid Halide Functional Materials
10151182	6/15/1982	Acid Halide Functional Materials
10164100	6/5/2002	METHOD FOR INHIBITING CaCO ₃ SCALE IN KRAFT PR
10164331	6/5/2002	METHOD FOR INHIBITING CaCO ₃ SCALE IN KRAFT PR
10190323	7/5/2002	Tacky Polymer Melt Spinning Process
10192785	7/10/2002	Composite Interlayer For Laminated Glass
10204430	3/15/2001	Flame Retardant, Optical Films
10209430	7/30/2002	Process For Producing A Calcium Carboxylate
10236259	9/6/2002	Process For Reducing Nitrogen Oxide Emissions
10259491	9/30/2002	Device For Direct Insertion Of Yarn In Automa
10293227	11/13/2002	Binder Fiber For Improved Carpet Appearance R
10294728	11/15/2002	Non-Autoclave Nip Roll Glass Lamination Proce
10306664	11/27/2002	Process For Preparing A Catalyst For The Oxid
10342781	1/15/2003	Fiber Reactive Dyeing System
10346137	1/16/2003	Embossed Reflective Laminates
10347792	1/22/2003	Plasticized Polyvinyl Butyral And Sheet
10361608	2/11/2003	Cyclohexane Oxidation Catalyst

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Patent Number	Issue Date	Title
10376520	2/27/2003	Use Of Dihydroxyquinoline To Aid In Increasin
10389083	3/15/2003	Fade Protector
10419203	4/21/2003	Pleated Support Tubes For Polymer Filters
10427412	5/1/2003	Polyvinyl Butyral Sheet Having Antiblocking C
10431404	5/7/2003	Tacky Polymer Melt Spinning Process
10445942	5/28/2003	A System And Methods For Filtering Electromag
10446148	5/28/2003	Plasma Display Panel Filters
10452146	6/3/2003	Fluorinated Polymer Sheets
10457185	6/9/2003	Polyvinyl Butyral Sheet With Bifunctional Sur
10457642	6/9/2003	Polyvinyl Butyral Sheet With Bifunctional Sur
20010023020		Implantable fibers and medical articles
20020061395		Intrusion resistant glass laminates
20020165656		Binder fiber for improved carpet appearance retention and endpoint
200220136859		Antistatic Yarn, Fabric, Carpet and Fiber Blend Formed From Conductive or Quasi-Conductive Stable Fiber
20030148114		Glass lamination process
20030161997		Embossed Reflective Laminates
20030162809		Use of dihydroxyquinoline to aid in increasing milk production and feed utilization
4,563,296	1/7/86	Plasticizer blend for polyvinyl butyral; improved low temperature performance
4,565,658	1/21/86	Oxidation and ammoxidation process; oxides of bismuth, molybdenum, vanadium and antimony as catalyst
4,574,136	3/4/86	Plasticized polyvinyl butyral interlayers; unsaturated esters of polyalcohols
4,575,540	3/11/86	Polyvinyl butyral sheet roughness control; lightly crosslinked with methylene glycol
4,579,762	4/1/86	Stain resistant carpet with impervious backing; aromatic sulfonate modified polyactam or polyamide with fluorochemical backing adhesive
4,580,597	4/8/86	Fluid distribution system
4,582,894	4/15/86	Polyglycidamide coating compositions; blends with epoxy-reactive vehicles; drying and crosslinking at room temperature; toughness; potting; lamination
4,583,357	4/22/86	Partially oriented nylon yarn and process; polyhexamethylene adipamide
4,587,033	5/6/86	Polymeric acetal carboxylate compositions
4,590,011	5/20/86	Ammoxidation process; using antimony, uranium, iron, bismuth, and molybdenum oxide catalyst
4,590,101	5/20/86	Surface coating process; polyallyoxy activator
4,592,940	6/3/86	Stain-resistant nylon carpets impregnated with condensation product of formaldehyde with mixture of diphenolsulfone and phenolsulfonic acid; immersion of nylon carpet in aqueous solution of resin
4,597,693	7/1/86	Method and apparatus for installing highway drainage mat
4,598,000	7/1/86	Spray-suppression device; laminated low and high density polyethylene; vehicle wheels
4,600,702	7/15/86	Vapor phase nitration catalysts; nitrogen-containing group 3B-4B mixed oxides, nitroaromatic products
4,601,949	7/22/86	Conjugate filaments and process for producing same
4,604,253	8/5/86	Process for forming plasticized polyvinyl butyral interlayers; blending, extrusion
4,610,059	9/9/86	Warp monitoring and beaming process
4,611,082	9/9/86	Production of hex-3-enedioate esters from 1,4 dialkoxy butenes
4,615,840	10/7/86	Aminomethylenephosphonic acid solutions
4,618,733	10/21/86	Vapor phase nitration of aromatic compounds; group 4B-group 3B metal mixed oxide catalyst
4,619,803	10/28/86	Self-texturing nylon yarn spinning process; joining hot and cold melts of a single polymer below spinneret
4,619,853	10/28/86	Easy-clean carpets which are stain resistant and water impervious
4,627,940	12/9/86	Process for preparing a polyamide; shipping wet acid crystals, rinsing container with aqueous solution to dissolve
4,628,131	12/9/86	Vapor phase nitration of aromatic compounds; group 3B-group 4B mixed metal oxide catalyst
4,633,015	12/30/86	Production of adipic acid from 1,4-disubstituted-2-butene; catalytic carbonylation in aprotic solvent, hydrogenation and hydrolysis
4,639,480	1/27/87	Polyester compositions containing a phthalimide; plasticizing

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4,643,930	2/17/87	Novel carpets with yarns coated with fluorocarbon and adhesive containing fluorocarbon; resists soiling and is substantially impervious to water
4,646,514	3/3/87	Partially oriented nylon yarn and process
4,654,179	3/31/87	Polyvinyl butyral sheet roughness control; aldehyde crosslinker
4,663,432	5/5/87	Polymeric alkylene diphosphonate anhydrides, their production and use; antiscaling, corrosion resistance
4,666,623	5/19/87	Granular aminomethylenephosphate; dry detergent
4,666,636	5/19/87	Production of sodium phenol sulfonate
4,673,508	6/16/87	Inhibition of calcium phosphate scale formation with a maleate polymer
4,680,212	7/14/87	Stain resistant nylon fibers; carpet fibers; sulfonic phenolic resins as stain blockers
4,693,728	9/15/87	Hydrocolloid blend for controlled release of calcium ions
4,701,518	10/20/87	Antimicrobial nylon prepared in water with zinc compound and phosphorus compound; permanence
4,704,465	11/3/87	Process for preparing ethylenediaminetetraacetonitrile; via ethylenediamine-formaldehyde intermediate
4,720,943	1/26/88	Cord structure
4,721,650	1/26/88	Partially oriented nylon yarn and process; polyamide containing branching agent
4,728,460	3/1/88	Aminomethylenephosphonic acid solutions; crystallization inhibitor
4,731,465	3/15/88	Process for producing nitrilotriacetonitrile
4,746,642	5/24/88	Vapor phase nitration catalysts; selective distribution of isomers in nitration of chlorobenzene
4,757,043	7/12/88	Process for preparing vapor phase nitration catalysts; contacting group 4B-3B mixed oxide with sulfur trioxide
4,759,032	7/19/88	Electrode seal assembly
4,760,691	8/2/88	Partially oriented nylon yarn and process; false-twist heatset textured nylon 66
4,764,303	8/16/88	Aminomethylenephosphonate compositions; solid phase-mixture with sodium (bi) sulfate
4,768,939	9/6/88	Apparatus for forming shaped interlayer blanks
4,787,980	11/29/88	Ultra pure water system monitoring; continuous sampling, analyzing; multiplex units, electronic controller; for industry
4,797,317	1/10/1989	Solar Control Window Film
4,808,357	2/28/89	Process for forming shaped interlayer blanks; extruding sheet with varying thickness and stretching to form uniform curved shape
4,814,529	3/21/89	Cross-linked polyvinyl butyral; laminated safety glass
4,816,550	3/28/89	Polyamide feed yarn for air-jet texturing; spun through non-round capillaries at high speed
4,828,778	5/9/89	Method for continuous injection molding
4,839,065	6/13/89	Fire retardant concentrates and methods for preparation thereof; aqueous mixture of ammonium phosphates with thickeners; water-dilutable fro dropping from aircraft
4,839,211	6/13/89	Saxony carpet having improved appearance retention; blend of staple high shrinkage fibers
4,839,212	6/13/89	Stain resistant nylon carpets; overcoating with a sulfomated polymer
4,843,006	6/27/89	RecA promoter dependent polypeptide production; genetic vectors
4,851,466	7/25/89	Process for preparing heat and light stabilized nylon 66 polymer; polyhexamethylene adipamide, potassium iodide and/or bromide, cupric ammonium carbonate or amino-hydroxide
4,859,208	8/22/89	Calcium control system: hydrocolloid and alginate for dye printing
4,861,650	8/29/89	Polyimide laminates; mixture of maleimide and maleamic acid with polyamine
4,866,109	9/12/89	Method of making reinforced materials having an improved reinforcing material therein; concrete with acrylic homopolymer fibers
4,867,901	9/19/89	Improved process for reacting salts of D,L-tartaric and maleic acid in the production of ether carboxylate mixtures; calcium catalyst
4,873,142	10/10/89	Acrylic fibers having superior abrasion/fatigue resistance; wet-spun tow consists of acrylonitrile copolymer
4,874,814	10/17/89	Cross-linked polyvinyl butyral; with di- or trialdehyde; molecular weight control
4,879,180	11/7/89	Stain-resistant nylon fibers; carpet
4,882,222	11/21/89	Carpet fiber blends; of conventional fibers and high shrinkage fibers; better appearance retention in traffic
4,882,382	11/21/89	Rubber modified reaction molded nylon-6 block copolymers; dispersions of core-shell polymers in caprolactam solutions of telechelic polymers
4,891,413	1/2/90	Cyclopentane diester vinylene polymers; engineering thermoplastics
4,891,414	1/2/90	Cyclopentane diol vinylene polymers; hydrolysis of polymer from diester of

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4,892,558	1/9/90	norbornenediol Process for dyeing stain resistant nylon carpets; adding stain blocker to dye solution
4,900,759	2/13/90	Phenolic foams; closed-cell phenol-formaldehyde resole; fireproof, rupture resistant, insulation
4,901,517	2/20/90	Apparatus for the drafting section of ring spinning frames
4,902,464	2/20/90	Cross-linked polyvinyl butyral; using di (or tri) aldehydes
4,913,869	4/3/90	Wet-spinning processes for producing acrylic filaments; reducing filament breaks; correlating drying roll stretches and wet stretch
4,931,536	6/5/90	Hydroxy functional acrylamidomethyl amino resins; precursors for epoxidized amino resins; methylolating cyclic urea or melamine components, etherification, acrylamidation, transesterification, epoxidation
4,931,537	6/5/90	Polyglycidamide coating compositions; curable epoxy systems; hydroxy-functional glycidamides from amino resins; solvent, weather resistant
4,933,013	6/3/1988	Transparent Conductive Coatings
4,948,516	8/14/90	Method of disposing of wastes containing heavy metal compounds; neutralizing, oxidizing, solidifying using mineral binders
4,950,714	8/21/90	Cross-linked polyvinyl butyral sheet; laminated safety glass
4,950,787	8/21/90	Chemical process; reacting maleic acid and tartaric acid salts in the presence of calcium catalyst to produce 1-hydroxy-3-oxa-1,2,4,5-pentane tetracarboxylic acid and 3,6-dioxo-1,2,4,5,7,8-octane-hexacarboxylic acid
4,952,457	8/28/90	Laminated safety glass and polymeric laminate for use therein; plasticized polyvinyl butyral, adhesion control agent, a clear polymer film; windshields
4,952,541	8/28/90	Acrylonitrile dimerization process and method of treating residual catalyst; deactivation of catalytic phosphorous compound by oxidation to pentavalent state
4,971,724	11/20/90	Process for corrosion inhibition of ferrous metals; adding amino acid derivatives to water, increasing viscosity to create corrosion resistance
4,971,881	11/20/90	Toner composition comprising rosin modified styrene acrylic resin
4,973,511	11/27/90	Composite solar/safety film and laminated window assembly made therefrom
4,975,325	12/4/90	Self crimpable nylon 66 carpet yarn; containing chain branching element to prevent broken filaments; provides good luster
4,981,885	1/1/91	Polymer dispersions, process for their preparation, and their use as binders; paints
4,987,266	1/22/91	Process for the manufacture of nitrophenetole; n-alkylpyrrolidone as cosolvent
4,989,752	2/5/91	Frangible roof joint for storage tanks
5,003,066	3/26/91	Process for the preparation of polyglycidamides; epoxy derivatives of cyclic ureas and aminotriazines used with polyamines and other epoxy reactive oligomers to provide crosslinkable coating compositions
5,006,582	4/9/91	Acrylic hot melt pressure sensitive adhesive compositions; a macromolecule monomer-based thermoplastic comb copolymer, a tackifier and a plasticizer; tack, peel and creep resistance
5,013,779	5/7/91	Plasticized polyvinyl butyral and interlayer thereof; cyclohexyl adipate plasticizer, radiation resistance
5,013,780	5/7/91	Plasticized polyvinyl butyral and interlayer thereof
5,017,116	5/21/91	Spinning pack for wet spinning bicomponent filaments
5,024,895	6/18/91	Laminate for a safety glazing; plasticized polyvinyl butyral; polyethylene terephthalate carrier film; flexible; shrink stable; solar radiation control layer
5,028,471	7/2/91	Antiflea fibers
5,028,658	7/2/91	Sheet of polyvinyl butyral and polyurethane; safety glass
5,037,869	8/6/91	Process for preparing flame retardant polyamide molding resins containing melamine cyanurate; melt blending with melamine and cyanuric acid in the presence of water; adding a glycol and phthalate ester; improved mechanical properties
5,043,384	8/27/91	Blow molding nylon resins; polymer blends; controlling melt viscosity
5,051,469	9/24/91	Rubber modified reaction molded nylon-6 block copolymers; shell-core polymers with improved impact strength including a telechelic polymer
5,055,577	10/8/91	Preparation for urethane products; forming ammonium carbamate from amines and carbon dioxide, followed by reaction with palladium chloride-diolefin complex; reduction
5,058,371	10/22/91	Continuous filament yarn for trackless carpet
5,068,407	11/26/91	Oxidation of tertiary-alkyl substituted aromatics; forming carboxylic acids by oxidation with oxygen a tert-alkyl group on an aromatic compound with a metal catalyst
5,068,420	11/26/91	Process for preparing ether carboxylate builders; purification by basification, solvent extraction and separation
5,069,734	12/3/91	Dimensional stabilizing process; using polyvinyl butyral

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5,073,453	12/17/91	High tenacity nylon yarn; for use in tire cords
5,075,022	12/24/91	Heat transfer fluids; collecting solar energy using mixture of biphenyl, diphenyl oxide, ortho-and meta-terphenyl
5,079,063	1/7/92	Solution-spun antiflea fibers; carpet, yarns
5,079,315	1/7/92	Hybrid amino resin compositions; bonding and coating applications
5,079,379	1/7/92	Fluid bed process; ammoxidation of olefins to nitriles
5,084,257	1/28/92	Sulfur dioxide removal from stack gas; oxidation of sulfur dioxide to sulfur trioxide with molybdenum catalysts and reaction with calcium to form calcium sulfate
5,084,306	1/28/92	Process for coating fabrics with fluorochemicals; coating pile fabrics of carpets with fluorochemical emulsions and drying, rinsing and treating with a metal ion solution
5,087,502	2/11/92	Process and intermediate sheet for forming shaped interlayer blanks; plasticized polyvinyl butral; wedge-shaped thickness; graduated color strip; safety glass
5,087,690	2/11/92	Hybrid amino resin compositions; curable blend of an alkoxymethyl amino resin, hydroxy coreactant, a (meth)acryloyl, an allylic or vinylbenzyl component and a metal sulfonate catalyst; high solids; compatibility; gloss hardness; adhesives; coatings
5,091,258	2/25/92	Laminate for a safety glass; reduced optical defects; used in vehicle windows
5,093,061	3/3/92	Deep dyeing conjugate yarn processes; melt spinning incompatible polymers, quenching, winding, splitting with boiling water
5,093,253	3/3/92	Method for microbial immobilization by entrapment in gellan gum; hardening with magnesium compound
5,117,046	5/26/92	Preparation of alkylidene diesters; from ether or ester and carbon monoxide and hydrogen
5,130,174	7/14/92	Shaped interlayer blank; plasticized polyvinylbutyral
5,137,673	8/11/92	Process for forming plasticized polyvinyl butyral sheet; continuously forcing through slot; gradient color band; radial distortion to form curved shape; uniform thickness
5,137,954	8/11/91	Polyvinyl butyral sheet; internal plasticizing by C7 to C15 aniphatic aldehyde groups; external ester plasticizer safety glass
5,145,744	9/8/92	Bilayer glazing panel; safety glass
5,159,896	11/3/92	Poultry nest pad
5,177,049	1/5/93	Oxidation or tertiary-alkyl substituted aromatics; with catalyst of manganese, cobalt and a halide
5,182,154	1/26/93	Stain resistant nylon carpets; coating of sulfonated phenolic condensation resin
5,183,852	2/2/93	Polyblends containing polyurethane, polymer and siloxane crosslinker; heat, wear resistance; embossing; cables, pipes; antifogging, hydrophobic
5,189,098	2/23/93	Rubber modified reaction moldable nylon-6 compositions; from a dispersion of core-shell polymer in caprolactam
5,189,205	2/23/93	Process for preparing isocyanates; reacting carbon dioxide with a primary amine to form an ammonium carbamate salt; reacting with an electrophilic or oxophilic salt
5,200,498	4/6/93	Lactam-lactone copolymer; reacting monomer in presence of 3-12 carbon lactam magnesium halide catalyst and initiator; exhibits properties from plastic to elastomer
5,209,974	5/11/93	Copolymeric yarns for textured carpets; nylon 66 copolymers
5,221,708	6/22/93	Use of recovered polyvinyl butyral in the manufacture of flooring
5,223,638	6/29/93	Preparation of urethane and carbonate products; reacting primary or secondary amine with carbon dioxide in presence of strong amidine or guanidine base to form ammonium carbamate salt, reacting in polar aprotic solvent with primary or secondary hydrocarbyl halide
5,225,470	7/6/93	Acrylic hot melt pressure sensitive adhesive compositions; comb polymers
5,232,956	8/3/93	Flexible water-blown polyurethane foams; of a polyol and diphenylmethane diisocyanate, and a phthalate, benzoate or phosphate ester plasticizer
5,232,989	8/3/93	Functionalized polymers; hydroformylation of polyolefins, reduction to hydroxyl groups, reacting with diisocyanate
5,233,010	8/3/93	Process for preparing isocyanate and carbamate ester products; reacting carbon dioxide and an aromatic diamine in an aprotic solvent and a base to produce a carbamate salt; dehydration; reacting an amide with nitrobenzene and reducing to obtain the same
5,233,111	8/3/93	Catalytic process for selective alkylation of aromatic hydrocarbons; using acid form of dealuminated small pore mordenite
5,234,969	8/10/93	Cured phenolic foams; closed-cell foam; dimensional stability
5,238,994	8/24/93	Forming polyvinyl butyral; adding surfactant after gel break
5,244,546	9/14/93	Process for preparing tetraalkyl butanetetracarboxylates
5,245,005	9/14/93	Process for the production of linear amorphous polyamides with excess

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5,246,764	9/21/93	diaminel; amine end groups, phosphinic acid catalyst
5,248,396	9/28/93	Laminated glazing with improved impact strength; blocking resistance
5,260,473	11/9/93	Process for preparing butanetetra-carboxylic acid; hydrodimerization of dialkyl maleate
5,264,058	11/23/93	Preparation of urethane and carbonate products; reaction of alcohol and carbon dioxide in aprotic solvent and strong amidine or guanidine base
5,266,665	11/30/93	Forming a shaped prelaminate and bilayer glazing of glass and plastic; drawing plastic layers against hot contoured mold surface, transferring perform to glass layer to heat bond the layers, cooling
5,276,066	1/4/94	Metathesis polymerization catalyst and method of polymerizing cyclic olefins therewith; ring-opening, metal halide
5,277,855	1/11/94	Halogen-free cyclic phosphorous-containing flame retardant compounds
5,281,674	1/25/94	Process for forming a yarn having at least one electrically conductive filament by simultaneously cospinning conductive and non-conductive filaments
5,288,523	2/22/94	Crosslinkable resin composition comprising a thermoplastic resin; thermoplastic resin blends
5,294,384	3/15/94	Crosslinkable resin composition comprising a thermoplastic resin; containing a (meth)allyloxy compound
5,298,651	3/29/94	Thermoplastic composition and method for producing thermoplastic composition by melt blending carpet; heating, pressurizing and mixing a sample comprising nylon tufts, polyolefin backing and butadiene-styrene adhesive
5,298,653	3/29/94	Process for preparing isocyanates using phosphazine catalysts; reaction of primary amine and carbon dioxide
5,302,717	4/12/94	Process for preparing 1,2,3,4-butanetetra-carboxylic acid; hydrolysis of ester using acid catalyst; using hydrogen peroxide to remove color impurities
5,320,893	6/14/94	Preparation of urethane and carbonate products; reacting an amine or alcohol with carbon dioxide in the presence of a phosphazene base and an amidine or guanidine using a polar aprotic solvent
5,329,020	7/12/94	Prelaminate with a partial cut to protect a solar coating from corrosion; during lamination, forming window, the substrate shrinks to create a channel into which flows plasticized polyvinyl butyral to block edge wall of coating to protect metal layer from corrosion
5,331,099	7/19/94	Preparation of polysuccinimide; catalytic polymerization of aspartic acid in the presence of carbon dioxide
5,334,452	8/2/94	Process for preparing p-nitroaromatic amides and products thereof
5,342,653	8/30/94	Carpet fibers having multifoliate cross-sectional configuration; multilobal polymeric fibers, for carpets with controlled sheen and luster
5,344,934	9/6/94	Method of producing polyvinyl butyral sheet having a desired level of glass adhesion; applying multiplicity of spaced anti-adhesion projections to surface of sheet
5,346,569	9/13/94	Preparation of urethane and carbonate products; reaction of carbon dioxide and amine in aprotic solvents
5,349,038	9/20/94	Process for deairing an interface region; safety glazing
5,349,048	9/20/94	Stainblockers for nylon fibers; sulfonated phenolic resin oligomers, lightfast
5,349,081	9/20/94	Preparation of polycarbonate products; reaction of carbon dioxide with alcohol to form salt in solvent and reacting with hydrocarbyl halide
5,356,745	10/18/94	Process for preparing isocyanates; dehydration, primary amine and carbon dioxide
5,364,964	11/15/94	Increasing adhesion of polyester and plasticized polyvinyl butyral layers; laminate of polyester, interface of plasma polymerized chlorosilane and polyvinyl butyral
5,371,183	12/6/94	Process for preparing 1,2,3,4-butanetetra-carboxylic acid; hydrolyzing the tetramethyl ester; methanol distillation; oxidation with hydrogen peroxide; discoloration inhibition
5,374,707	12/20/94	Preparation of urethane from polyamine and carbon dioxide; reacting diamine or polyamine with carbon dioxide in solvent in presence of sterically hindered amidine or guanidine to form salt, reacting with hydrocarbyl dihalide or polyhalide in polar aprotic solvent, polymerizing product
5,380,794	1/10/95	Hydroxy ethyl bibenzoate; condensing mixture of aromatic dicarboxylic acid and diol in absence of catalyst
5,380,946	1/10/95	Polyvinyl butyral tackifier for vinyl chloride polymer compositions; tile compositions for synthetic floors
5,399,428	3/21/95	Process for preparing p-nitroaromatic amides and products thereof; from nitrobenzene and a nitrile
5,399,429	3/21/95	Flame retardant polyester copolymers; polyethylene terephthalate with hydroxyalkyl dicarboxylate and carboxy phosphinic acid
		Flame retardant recycled polyester copolymers; dihydroxyalkyl

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Patent Number	Issue Date	Title
5,401,428	3/28/95	dicarboxylates and fireproofing carboxyalkyl or aryl phosphinic acid
5,413,828	5/9/95	Water soluble metal working fluids; polyaspartic acid lubricant
5,419,850	5/30/95	Plastic article having flame retardant properties
5,425,895	6/20/95	Block detergent containing nitrilotriacetic acid; phosphate-free
		Block detergent containing nitrilotriacetic acid; solid block containing alkali metal salt of nitrilotriacetic acid, acid, alkali metal hydroxide and/or silicate, alkali metal carbonate and/or sulfate
5,425,977	6/20/95	Rough-surfaced interlayer
5,427,861	6/27/95	Laminated glazing panel having improved resistance to light exposure; plasticized sheet containing polyvinyl butyral and divalent metal salts of carboxylic acids bonded to chromate layer between glass panels; bonding strength
5,434,309	7/18/95	Controlled functional density poly (secondary amines); reductive amination (aminomethylation) of a hydroformylated diene-based olefin polymer using a primary amine and a ruthenium hydrogenation catalyst
5,436,371	7/25/95	Process for preparing p-nitroaromatic amides and products thereof
5,439,614	8/8/95	Oxidation inhibited fluid compositions; colloidal dispersion of aromatic ether and oxidation inhibiting amount of alkali metal salt of oxalic acid
5,443,651	8/22/95	Process for metal cleaning; polyamide or polypeptide
5,445,653	8/29/95	Method of dyeing nylon to produce colorfast fiber which resists further dyeing; applying very acidic solution of fiber reactive dye to fiber, contacting with alkaline solution, autoclaving
5,449,748	9/12/95	Preparation of anhydropolyamino acids at temperatures of 350 [degree(s)] C. or above; polysuccinimide formed by condensation of aspartic acid
5,451,697	9/19/95	Process for preparing isocyanates; carbon dioxide and primary amine
5,455,103	10/3/95	Rough-surfaced interlayer; polyvinyl butyral for laminated safety glass
5,457,139	10/10/95	Flexible water-blown polyurethane foams; nonhalogen-containing benzoate plasticizer
5,457,147	10/10/95	Controlled functional density poly (secondary amines) and method for preparation thereof; catalytic hydroformylation of an addition polymer; then reductive amination using a primary amine
5,457,155	10/10/95	Controlled functional density poly (secondary amines); hydroformylation followed by reductive amination of polymer with olefinic unsaturation; catalytic; having residual double bonds
5,458,968	10/17/95	Fiber bundles including reversible crimp filaments having improved dyeability
5,464,551	11/7/95	Stabilized phosphate ester-based functional fluid compositions; aircraft hydraulic fluid
5,464,569	11/7/95	Process for the preparation of oxidation inhibited fluid compositions; in situ formation of alkali metal oxalates in polyphenylene ether basestock
5,470,942	11/28/95	Preparation of anhydropolyamino acids; catalytic thermal polymerization of aspartic acid in the presence of methylenephosphonic acid and aminotris (methylenephosphonic acid)
5,474,767	12/12/95	Polyamines and method for preparation thereof; crosslinked; controlled density; water insoluble; residual unsaturation
5,478,412	12/26/95	Plastic sheet for a laminated glazing and method for controlling adhesion and reducing blocking thereof; plasticized partial polyvinyl butyral sheet having crosslinked polyurethane projections dispersed on its surface
5,482,767	1/9/96	Light-transmitting laminated panel and method of improving its impact resistance; layers of glass with impact resistant polyvinyl butyral layers
5,490,942	2/13/96	Process of inhibiting oxalate scale formation; polyaminoalkylene phosphonates are used to inhibit precipitation and deposition of calcium oxalate in an aqueous system
5,490,949	2/13/96	Block detergent containing nitrilotriacetic acid; containing alkali metal salt of nitrilotriacetic acid, alkali metal hydroxides, silicates, carbonates and (or) sulfates and an acid
5,492,758	2/20/96	Fiber blend for carpet yarns and watermarking resistant carpet formed therefrom
5,496,510	3/5/96	Acrylonitrile filament process; upholstery, garments
5,496,922	3/5/96	Decolorization of polysuccinimide
5,498,667	3/12/96	Thermoplastic composition and method for producing thermoplastic composition by melt blending carpet; polyesters or polypropylene tufts and polyolefin backings and butadiene-styrene copolymer adhesives with melt blending
5,508,109	4/16/96	Fiber blend for low cost, asbestos free fiction material; fibrillating a chopped polyacrylonitrile fiber and an oxidized polyacrylonitrile carbon fiber
5,525,661	6/11/96	Polymer solution for sizing paper; high molecular weight styrene-maleic half ester copolymers
5,525,703	6/11/96	Crosslinked polyaspartic acid and salts; derived from polysuccinimides, using

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Patent Number	Issue Date	Title
5,529,654	6/25/96	crosslinker 4-aminomethyl-1, 8-diaminooctane; used as thickener, flocculant, deflocculant and water absorber
5,529,848	6/25/96	Process forming a shaped laminate
5,529,849	6/25/96	Plasticized polyvinyl butyral sheet containing epoxy resin; light transmitting safety glazings for windows, windshields, sunroof, skylights; adhesion stability
5,536,347	7/16/96	Plasticized polyvinyl butyral sheet containing epoxy resin; laminated glazing panels with stabilized adhesion to photoreactive layers (radiation-reflecting or electroconductive coatings)
5,540,840	7/30/96	No autoclave process for forming a safety glass laminate
5,540,927	7/30/96	Use of fluidized bed reactors for treatment of wastes containing organic nitrogen compounds
5,542,206	8/6/96	Microencapsulation process by coacervation; using gelatin and polyaspartic acid for coacervation
5,545,833	8/13/96	Lure and tackle stacking container
5,547,736	8/20/96	Phosphorous-containing polymers and fibers formed therefrom; polyamides; carpets
5,552,185	9/3/96	Block-resistant partial polyvinyl butyral; multitude of spaced projections on surface of sheet
5,552,517	9/3/96	Plastic article having flame retardant properties; coating of polyolefin and ammonium phosphate or polyphosphate
5,559,193	9/24/96	Production of polysuccinimide in an organic medium; polymerization of aspartic acid, high boiling alkanol or alkane solvent, improved color
5,591,802	1/7/97	Controlled functional density polyamines and method for preparation thereof; reacting unsaturated polymer with pendant aldehyde groups with amine, reductive amination
5,593,751	1/14/97	Thermoplastic composition and method for producing thermoplastic composition by melt blending carpet
5,594,069	1/14/97	Nylon fiber blends for Saxony carpets
5,595,818	1/21/97	Process for producing mixed poly(vinyl acetal)s; butyl and long chain acetals
5,599,872	2/4/97	Rough-surfaced polyvinyl butyral sheet and method of forming same; safety glass
5,606,106	2/25/97	Pressure-sensitive adhesive composition containing styrene-maleic copolymers; organic solvent solution of an acrylate copolymer having carboxyl or hydroxyl groups and a styrene-maleic anhydride, dialkyl maleate or monoalkyl maleate; heat and plasticizer resistance
5,616,544	4/1/97	Hexamethylene phosphonate concentrate; concentrated aqueous storage stable solution
5,618,863	4/8/97	Water soluble metal working fluids; polyaspartic acid solution
5,621,059	4/15/97	UV stable polyvinyl butyral sheet; hydroxyphenyl substituted benzotriazole compound
5,624,599	4/29/97	Polymeric flow modifiers; acrylic acid, alkyl acrylate, waterborne coating material additives
5,624,968	4/29/97	Liquid hardeners for soil grouting formulations
5,631,315	5/20/97	Flexible water-blown polyurethane foams
5,648,034	7/15/97	Plasticized polyvinyl butyral sheet containing epoxy resin; improved adhesion to glass sheets with metal oxide reflective coatings and/or electrically conductive coatings
5,665,694	9/9/97	Process of making cut, shaped blanks; thermoplastic resin for laminated windshields
5,672,579	9/30/97	Block detergent containing nitrilotriacetic acid; alkali metal hydroxides, silicates, sulfates, and carbonates; slurring, curing, solidifying, and shaping
5,672,777	9/30/97	Water based dimethyl ester cleaning solution; containing dimethyl adipate, dimethyl glutarate, dimethyl succinate, isopropanol
5,696,290	12/9/97	Catalysts for production of phenol and its derivatives; catalyzed oxidative hydroxylation using pre-hydrated and heat treated iron-containing zeolite as acid catalyst
5,703,134	12/30/97	Synthesis of penta-substituted guanidines; reacting a tri-substituted urea with a di-substituted amine in presence of an aprotic solvent and base
5,744,693	4/28/98	Copolymers of recycled polyester; heating polyethylene terephthalic with dicarboxylic acid
5,750,603	5/12/98	Granular alkali metal nitrilotriacetate
5,773,068	6/30/98	Polymer-bound non-halogen fire resistant compositions; polyamide containing carboxy-phosphinic or -phosphinic acid units
5,791,574	8/11/98	Leavening system and products therefrom
5,808,167	9/15/98	Yarn bobbin with improved snagger
		Selective introduction of active sites for hydroxylation of benzene

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Patent Number	Issue Date	Title
5,830,240	11/3/98	Fibers & textile materials having enhanced dyeability & finish compositions used thereof
5,844,028	12/1/98	Cyclic phosphorus containing flame retardant compounds
5,844,568	11/10/98	Forming crosslinked polysuccinimide
5,853,828	1/5/98	Safety glass structure resistant to extreme wind and impact
5,856,427	12/29/99	Process for the production of polysuccinimide
5,859,149	1/12/99	Production of solid polyaspartate salt
5,859,179	1/12/99	Forming superabsorbent polymer
5,861,531	1/19/99	Process for producing granular alkali metal nitrilotriacetate
5,867,957	2/9/99	Sound insulation pad and use thereof
5,874,646	2/23/99	Preparation of phenol or phenol derivatives
5,874,647	2/23/99	Benzene hydroxylation catalyst stability by acid treatment
5,889,072	3/30/99	Process for preparing superabsorbing crosslinked polyaspartate salt
5,889,138	3/30/99	Process for making stain resistant nylon fibers from highly sulfonated nylon copolymers
5,891,491	4/6/99	Use of dihydroxyquinoline compounds to extend the shelf life of products of mammals and fish; preservation of meats and fish
5,892,132	4/6/99	Transport hydroxylation reactor
5,895,822	4/20/99	Process for purifying acrylonitrile
5,900,519	5/4/99	Catalytic process for the selective alkylation of polycyclic aromatic compounds
5,916,410	6/29/99	Carpet reclamation process; contacting carpet including backing with dimethyl ester, separating pile from backing
5,925,798	7/20/98	Thoria catalyst
5,944,852	8/31/99	Dyeing process
5,952,406	9/14/99	Fire retarded polyamide
5,972,046	10/26/99	Method for dyeing cationic dyeable nylon with fiber reactive dyes without heat setting
5,972,280	10/26/99	Pneumatic embossing
5,977,008	11/2/99	Selective introduction of active sites for hydroxylation of benzene
5,980,738	11/9/99	Porous polymeric biosupports; for biotreatment of aqueous waste stream wherein microorganisms are colonized within the pores of biosupports comprising polymeric material, fiber reinforcement, adsorbant material and inorganic filler
5,981,761	11/9/99	Crosslinked polyaspartate salts a process for their production
5,997,791	12/7/99	Superabsorbing fibers and films and processes for preparing same
5,998,663	12/7/99	Granular alkali metal nitrilotriacetate
5,999,255	12/7/99	Method and apparatus for measuring Raman spectra and physical properties in-situ
6,017,564	1/25/00	Treatment of stressed animals with dihydroxyquinoline compounds
6,020,520	2/1/00	Process for the preparation of tetraalkyl 1,2,3,4-butanetetracarboxylates
6,027,804	2/22/00	Superabsorbing compositions and processes for preparing same; contacting dewatered cellulose pulp with a solution of a crosslinkable, uncrosslinked, partially hydrolyzed, internally plasticized polysuccinimide composition to produce an at least partially coated cellulose pulp, drying
6,036,726	3/14/00	Process for separating polyamide from colorant
6,037,421	3/14/00	Functionalized polymers
6,037,430	3/14/00	Radiation sterilizable pressure sensitive adhesive
6,045,700	4/4/00	Retrievable organic carbon scavengers for cleaning of contaminated surface water sediments
6,048,955	4/11/00	Modacrylic copolymer composition
6,051,200	4/18/00	Process for preparing hemipotassium phosphate
6,066,394	5/23/00	Plasticizer resistant emulsion acrylic pressure sensitive adhesive
6,066,687	5/23/00	Acrylic fiber with high optical brightness
6,077,374	6/20/00	Method of preparing pre laminate using rough-surfaced interlayer

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Patent Number	Issue Date	Title
6,083,283	7/4/00	Method for removing color from ionically dyeable polymeric materials
6,093,471	7/25/00	Polyvinyl butyral sheet
6,110,559	8/29/00	Plastic article having flame retardant properties
6,114,427	9/5/00	Method for producing a dispersible, fine titanium pyrophosphate powder
6,117,338	9/12/00	Continuous polymer melt filtration
6,117,488	9/12/00	Non-sag liquid application method; coating on substrate to prevent sag
6,117,829	9/12/00	Dibasic ester gel/paste composition and use of same for removing polysulfide and other chemicals from substrates
6,140,773	10/31/2000	Automated Control Of Linear Constricted Plasma Source Array
6,143,387	11/07/00	UV Shield
6,143,835	11/7/00	Polyacrylonitrile polymer treatment
6,149,960	11/21/00	Process and formulation for a chemically leavened dough or bakery product
6,150,495	11/21/00	Superabsorbing fibers and films and process for preparing same
6,156,938	12/5/00	Process for making phenol or phenol derivatives
6,162,537	12/19/00	Implantable fibers and medical articles
6,162,541	12/19/01	Superabsorbing fibers and films and process for preparing same
6,169,162	1/2/01	Continuous polyamidation process
6,197,855	3/6/01	Nucleation of Polyamides in the presence of hypophosphite
6,200,499	3/13/01	Compositions for corrosion inhibition of ferrous metals
6,211,286	4/3/01	Binders for soft feel coating materials
6,211,306	4/3/01	Polyester polyols of low molar mass, their preparation and use in coating compositions
6,221,112	4/24/2001	Process For Producing A Colored Polyester Film; Providing Dye Mixture Which Is A Suspension Of Disperse Dyestuff In Solution Of Thickener In Water; Coating Onto Polyester Film To Form Layer; Heating To Cause Dyestuff To Migrate From Layer Into Film
6,228,245	5/8/01	Process for the preparation of tetraalkyl 1,2,3,4-butanetetracarboxylates
6,238,621	5/29/01	Corrosion inhibiting compositions
6,255,539	7/3/01	Chemical composition and process
6,265,468	7/24/01	Aqueous polyurethane dispersions and coatings prepared therefrom; crosslinked blend with aromatic polyether
6,268,450	7/31/01	Acrylic fiber polymer precursor and fiber
6,277,933	8/21/01	Polyacrylonitrile particles by surfmer polymerization and sodium removal by chemical exchange
6,277,944	8/21/01	Alkylated and/or aralkylated polyhydroxy aromatic compounds and processes for their preparation and use
6,280,980	8/28/01	Process for the production of L-aspartic acid
6,281,388	8/28/01	Low pressure amine reactor
6,284,321	9/4/01	Unsaturated polyesterurethane acrylates as binders for powder coatings
6,287,689	9/11/01	Low surface energy fibers
6,294,588	9/25/01	Superabsorbing fibers and films and processes for preparing same
6,320,071	11/20/01	Production of 2-carboxyalkyl (phenyl)phosphinic acid
6,329,473	12/11/01	Amine-modified epoxy resin composition
6,331,582	12/18/01	Low gloss coating
6,339,169	1/15/02	Method of quenching gaseous acrylonitrile
6,340,000	1/22/02	Cleaning poultry manure from support surfaces of an egg-laying installation
6,350,816	2/26/02	Process for synthesis of resins containing unsaturations of the (meth) acrylic type to be cured by radiation or heat and used for powder paints
6,355,794	3/12/02	Lactam derivatives for melamine impregnating resins, and resin mixtures containing them
6,357,388	3/19/02	Cat litter mat
6,359,029	3/19/02	Preparation and use of cold-plastic coating compositions based on acrylate resins
6,359,060	3/19/02	Oxidatively drying polyurethane dispersions
6,391,984	5/21/02	Polymerization Process
6,399,814	6/4/02	Process for the preparation of 2-carboxyalkyl(aryl)phosphinic acid and corresponding anhydride(s)
6,399,825	6/4/02	Process for manufacture of dimethyl acetamide

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Patent Number	Issue Date	Title
6,406,753	6/18/02	Aqueous coating composition
6,413,635	7/2/02	Elastic nylon yarns
6,414,079	7/2/02	Water dilutable binders for soft feel coating materials
6,423,771	7/23/02	Aqueous coating composition
6,429,254	8/6/02	Aqueous polyurethane dispersions containing polybutadiene units
6,432,338	8/13/02	Propulsion system for contoured film and method of use
6,433,079	8/13/02	Aqueous anticorrosion primers based on polyvinylbutyral
6,462,124	10/8/02	Water-dilutable coating of oh-acrylate or polyesterurethane resin and blocked acid catalyst
6,465,536	10/15/02	Superabsorbing fibers and films and processes for preparing same
6,465,582	10/15/02	Polyoxazoline compounds and their use in surface coating compositions
6,469,096	10/22/02	Emulsifiers for high-solids alkyd resin emulsions
6,489,398	12/3/03	Water-dilutable brushing paint based on water-soluble alkyd resins
6,492,457	12/10/02	Two-component systems based on water-soluble polyesters and blocked isocyanates for aqueous baking varnishes
6,515,042	2/4/03	Aqueous self-crosslinking copolymer dispersions, a process for preparing them and their use in binders for coating materials
6,521,700	2/18/03	Aqueous coating composition
6,524,508	2/25/03	Process of making chitosan-containing acrylic fibers
6,527,983	3/4/03	Method for inhibiting scale formation
6,562,896	5/13/03	Non-halogenated polyamide composition
6,572,972	6/3/2003	Aqueous binders
6,573,413	6/3/03	Process for activating catalyst for the hydroxylation of aromatics
6,579,964	6/17/03	Water-dilutable etherified melamine-formaldehyde resins
6,596,817	7/22/03	Low molar mass aliphatic polyester polyols, their preparation and use in high performance coating compositions
6,617,393	9/9/03	Aqueous binder mixture
6,620,872	9/16/03	Infrared (IR) absorbing polyvinyl butyral composition, sheet thereof and laminate containing the same
6,624,097	9/23/03	Implantable fibers and medical articles
60/439,975	1/14/03	Recycle of Condensed Quench Overheads in a
60/458,615	3/28/03	An Integrated and Web-Enabled Drug Development
60/458,817	3/28/03	Integrated System for Managing Active Pharmaceutical
60/468,639	5/08/03	Method and Apparatus for Splicing Indeterminate
60018102	7/20/1995	Stabilization Of Polyaspartic Acid
60061642	10/9/1997	MOCP061 - Method For Separating Phosphorus Ox
60062346	10/15/1997	MOCP080-Carbon Dioxide Assisted Hydrolysis Of
60178680	1/28/2000	Metals Removal From Electrolyte Used In Elect
60214755	6/27/2000	Acoustic Insulating Glass Laminates
60285365	4/20/2001	Carbon Black Pigmented Yarn With Improved Phy
60296316	6/6/2001	METHOD FOR INHIBITING Caco3 SCALE IN KRAFT PR
60344263	12/27/2001	Non-Autoclave Nip Roll Glass Lamination Proce
60360316	2/28/2002	Embossed Reflective Laminates
60423564	11/4/2002	Improved Functional Fluid Compositions Contai
60439975	1/14/2003	Recycle Of Condensed Quench Overheads In A Pr
60458615	3/28/2003	Methods And Structure For Integrated Manageme
60458817	3/28/2003	Integrated System For Managing Active Pharmac
60465636	4/25/2003	Protective Film For Glazing
60468639	5/8/2003	Method And Apparatus For Splicing Indetermina
60471443	5/16/2003	Methods And Structure For Integrated Manageme
60480039	6/21/2003	Film Having A Coating With Release Properties
658309	7/27/1967	Classified
8092932	7/19/1993	Compositions For Corrosion In Hibiition Of Fer
8344908	11/25/1994	Process For The Preparation Of Oxidation Inhi

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Patent Number	Issue Date	Title
8399301	3/6/1995	Novel Polyamines & Method For Preparation Th
8614106	3/12/1996	Nutrient Composition To Increase Anaerobic Fe
8901603	7/28/1997	Fiber Optic Interface For Laser Spectroscopic
8962670	11/3/1997	Sun Shield
8966357	11/7/1997	Food Acidulant
8997792	12/24/1997	Method For Producing A Dispersible, Fine Tita
90004683	7/2/1997	Stabilized Phosphate Ester-Based Functional F
9014768	1/28/1998	Method For Producing An Even Coating On A Ver
9015495	1/28/1998	Controlled Functional Density Polyamines And
9065290	4/23/1998	Solution Crystallization Process For The Prod
9066634	4/24/1998	Fire Resistant Cellulosic Materials And Rende
9110641	7/6/1998	A Method To Produce Nitrous Oxide
9163342	9/30/1998	Sound Insulation Pad And Use Thereof
9216621	12/17/1998	Method Of Coating Nylon & Polyester Fibers Wi
9242821	2/24/1999	Novel Water Soluble Metal Working Fluids
9249054	2/12/1999	Process To Prepare A Polymer Nanocomposite Co
9256226	2/24/1999	Fire Retardant Concentrates And Methods For P
9261497	3/3/1999	Colorant Liquid, Method Of Use, And Wildland
9320077	5/26/1999	Process For Nitrous Oxide Purification
9320078	5/26/1999	Control System For Continuous Polyamidation P
9333431	6/15/1999	Process For Recovery Of Olefinically Unsatura
9361029	7/23/1999	Method Of Cleaning Aluminum And Aluminum Allo
9377777	8/20/1999	Optical Filter For A Window
9382349	8/25/1999	Composition For Odor Neutralization
9417148	10/12/1999	Acrylic Fiber Composition
9487533	1/19/2000	Hydroxylation Of Aromatic Compounds At Elevat
9586201	6/2/2000	Antistatic Yam, Fabric, Carpet And Fiber Ble
9651082	8/30/2000	Heat Reflecting Film With Low Visible Reflect
9730488	12/5/2000	Implantable Fibers And Medical Articles
9736340	12/15/2000	Device For Deairing Laminates
9737234	12/14/2000	Intrusion Resistant Glass Laminate
9787344	3/16/2001	Photosensitive Plastics Films And Information
9801883	3/8/2001	Stabilized Phosphate Ester-Based Functional F
9851072	5/8/2001	Functional Fluid Compositions Containing Epox
9851321	5/9/2001	Transparent Conductive Stratiform Coating Of
9878940	6/13/2001	Optically Active Film Composite
9926419	10/30/2001	Low Reflection Composite In Transparent Matri
9936939	11/13/2001	Block Copolymer Film
9947840	9/6/2001	Compositions And Methods For Reducing Odor
9951447	9/14/2001	Durable, Low Ohm, High Transmission
9962750	9/25/2001	Intrusion Resistant Glass Laminates
9963110	9/25/2001	Low Density Acrylic Fiber
9964296	9/20/2001	Process For Recovery Of Olefinically Unsatura
9993357	11/16/2001	Low Surface Energy Fibers
H1,936	1/2/01	Method of coating nylon and polyester fibers with water dispersible polyvinyl acetate and coating achieved therefrom
RE33,059	9/19/89	Partially oriented nylon yarn and process
RE33,365	10/2/90	Stain resistant nylon fibers; coating surface with stain blockers

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Patent Number	Issue Date	Title
RE37,101	3/20/01	Stabilized phosphate ester-based functional fluid compositions

CP FILMS INC. PATENTS AND PATENT APPLICATIONS

Country	Patent Number	Issue Date	Title
US	4,690,845	10/28/85	Method And Apparatus For Laminating Flexible Printed Circuits
US	4,857,400	8/15/89	Straiform Press Pads & Methods For Use Thereof In Laminating Flexible Printed Circuits
US	4,557,980	12/10/85	Radiation Curable Coating For Film Structure
US	4,797,317	9/27/84	Solar Control Film
US	4,634,637	1/6/87	Solar Control Film
US	4,802,967	6/13/89	Surface Treatment Of Polymers
US	4,865,711	9/12/89	Surface Treatment Of Polymers
US	4,913,762	4/3/90	Surface Treatment Of Polymers For Bonding By Applying A Carbon Layer With Sputtering
US	5,095,077	3/10/92	High Performance Epoxy Based Coverlay & Bond Ply Adhesive With Heat Activated Cure Mechanism Using Polyester-Aziridine Reaction Products
US	5,194,307	3/16/93	High Performance Epoxy Based Coverlay & Bond Ply Adhesive With Heat Activated Cure Mechanism Using Polyester-Aziridine Reaction Products
US	5,888,654	3/30/99	High Performance Epoxy Based Laminating Adhesive
US	4,861,648	8/29/89	Materials For Laminating Flexible Printed Circuits
US	4,977,013	6/3/88	Transparent Conductive Coatings
US	4,933,823	6/19/89	Reflector Material For Artificial Light Source
US	6,221,112	4/24/01	Gravure Printing Pet Film
US	5,902,634	5/11/99	Permeable Solar Control Film
US	6,266,193	7/24/01	Anti-Reflective Films
US	6,143,387	11/7/00	UV Shield
US	6,007,901	12/28/99	Heat Reflecting Fenestration Products With Color Corrective & Corrosion Protective Layers
US	6,245,428	6/12/01	Low Reflective Films
US	6,090,451	6/18/00	Window Film Edge Sealing Method
US	6,294,233	9/25/01	Window Film Edge Sealing Kit & Method
US	6,304,720	10/16/01	Heat Shrinking Heat Gun With Fan-Shaped Nozzle With Temperature &/Or Airflow Variation Along The Nozzle
US	6,123,986	9/26/00	Permeable Solar Control Film
US	6,273,989	8/14/01	High Performance Epoxy Based Laminating Adhesive
US	6,140,773	10/31/00	Automated Control Of Linear Constricted Plasma Source Array
US	6,583,935	6/24/03	Low Reflection, High Transmission, Touch-Panel Membrane
US	6,440,551	8/27/02	Light-Stable Colored Transparent Composite Films
US	6,416,872	7/9/02	Heat Reflecting Film with Low Visible Reflectance; Radiation Transparent Glass Windows Having a Series of Interference, Infrared Metal and Non-Infrared Layers Effective in Reducing Thermoconductivity and Light/Illumination/Transmission
US	US20020114942	8/22/02	Light-Stable Colored Transparent Composite Films
US	US20010033934	10/25/01	Low Reflective Films

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