

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

Release of Short-Form Patent Security Agreement

CONVEYING PARTY DATA

Name	Execution Date
Citibank, N.A.	02/28/2008

RECEIVING PARTY DATA

Name:	Solutia Inc.
Street Address:	575 Maryville Centre Drive
City:	St. Louis
State/Country:	MO
Postal Code:	63141

Name:	CPFilms Inc.
Street Address:	4210 The Great Road
City:	Fieldale
State/Country:	VA
Postal Code:	24089

Name:	Monchem, Inc.
Street Address:	575 Maryville Centre Drive
City:	St. Louis
State/Country:	MO
Postal Code:	63141

Name:	Monchem International, Inc.
Street Address:	575 Maryville Centre Drive
City:	St. Louis
State/Country:	MO
Postal Code:	63141

Name:	Solutia Systems, Inc.

CH \$16120.00 H001936

500485418

PATENT
REEL: 020638 FRAME: 0177

Street Address:	575 Maryville Centre Drive
City:	St. Louis
State/Country:	MO
Postal Code:	63141

PROPERTY NUMBERS Total: 403

Property Type	Number
Patent Number:	H001936
Patent Number:	7335669
Patent Number:	7261849
Patent Number:	7177075
Patent Number:	7157133
Patent Number:	7114119
Patent Number:	7108390
Patent Number:	7070746
Patent Number:	7060358
Patent Number:	7041375
Patent Number:	7018559
Patent Number:	6953558
Patent Number:	6939612
Patent Number:	6921509
Patent Number:	6916763
Patent Number:	6911254
Patent Number:	6905770
Patent Number:	6869503
Patent Number:	6860971
Patent Number:	6825255
Patent Number:	6824868
Patent Number:	6797193
Patent Number:	6783901
Patent Number:	6755366
Patent Number:	6743488
Patent Number:	6740722
Patent Number:	6737159

Patent Number:	6720061
Patent Number:	6707535
Patent Number:	6706670
Patent Number:	6699578
Patent Number:	6698485
Patent Number:	6675838
Patent Number:	6673964
Patent Number:	6660887
Patent Number:	6650478
Patent Number:	6630284
Patent Number:	6624097
Patent Number:	6620872
Patent Number:	6617393
Patent Number:	6596817
Patent Number:	6579964
Patent Number:	6573413
Patent Number:	6572972
Patent Number:	6562896
Patent Number:	6527983
Patent Number:	6524508
Patent Number:	6521700
Patent Number:	6515042
Patent Number:	6492457
Patent Number:	6489398
Patent Number:	6469096
Patent Number:	6465582
Patent Number:	6465536
Patent Number:	6462124
Patent Number:	6447697
Patent Number:	6433079
Patent Number:	6432338
Patent Number:	6429254
Patent Number:	6423771
Patent Number:	6414079

Patent Number:	6413635
Patent Number:	6399825
Patent Number:	6391984
Patent Number:	6339169
Patent Number:	6281388
Patent Number:	6265468
Patent Number:	6235347
Patent Number:	6211306
Patent Number:	6211286
Patent Number:	6200499
Patent Number:	6197855
Patent Number:	6169162
Patent Number:	6162541
Patent Number:	6162537
Patent Number:	6156938
Patent Number:	6150495
Patent Number:	6149960
Patent Number:	6143835
Patent Number:	6143387
Patent Number:	6140773
Patent Number:	6118338
Patent Number:	6117829
Patent Number:	6117488
Patent Number:	6114427
Patent Number:	6110559
Patent Number:	6093471
Patent Number:	6083283
Patent Number:	6077374
Patent Number:	6066687
Patent Number:	6066394
Patent Number:	6051200
Patent Number:	6048955
Patent Number:	6045700
Patent Number:	6037430

Patent Number:	6037421
Patent Number:	6036726
Patent Number:	6027804
Patent Number:	6020520
Patent Number:	6018060
Patent Number:	6017564
Patent Number:	5999255
Patent Number:	5998663
Patent Number:	5997791
Patent Number:	5981761
Patent Number:	5980738
Patent Number:	5977008
Patent Number:	5972280
Patent Number:	5972046
Patent Number:	5952457
Patent Number:	5952406
Patent Number:	5944852
Patent Number:	5925798
Patent Number:	5916410
Patent Number:	5900519
Patent Number:	5895822
Patent Number:	5892132
Patent Number:	5891491
Patent Number:	5889138
Patent Number:	5889072
Patent Number:	5874647
Patent Number:	5874646
Patent Number:	5867957
Patent Number:	5861531
Patent Number:	5859179
Patent Number:	5859149
Patent Number:	5856427
Patent Number:	5853828
Patent Number:	5844568

Patent Number:	5844028
Patent Number:	5830240
Patent Number:	5808167
Patent Number:	5795567
Patent Number:	5791574
Patent Number:	5773068
Patent Number:	5750603
Patent Number:	5744693
Patent Number:	5703134
Patent Number:	5696290
Patent Number:	5672777
Patent Number:	5672579
Patent Number:	5665694
Patent Number:	5648034
Patent Number:	5631315
Patent Number:	5624968
Patent Number:	5624599
Patent Number:	5621059
Patent Number:	5618863
Patent Number:	5616544
Patent Number:	5606106
Patent Number:	5599872
Patent Number:	5595818
Patent Number:	5594069
Patent Number:	5593751
Patent Number:	5591802
Patent Number:	5559193
Patent Number:	5552517
Patent Number:	5552185
Patent Number:	5547736
Patent Number:	5545833
Patent Number:	5542206
Patent Number:	5540927
Patent Number:	5540840

Patent Number:	5536347
Patent Number:	5529849
Patent Number:	5529848
Patent Number:	5529654
Patent Number:	5525703
Patent Number:	5525661
Patent Number:	5508109
Patent Number:	5498667
Patent Number:	5496922
Patent Number:	5496510
Patent Number:	5492758
Patent Number:	5490949
Patent Number:	5490942
Patent Number:	5482767
Patent Number:	5478412
Patent Number:	5474767
Patent Number:	5470942
Patent Number:	5464569
Patent Number:	5464551
Patent Number:	5458968
Patent Number:	5457155
Patent Number:	5457147
Patent Number:	5457139
Patent Number:	5455103
Patent Number:	5451697
Patent Number:	5449748
Patent Number:	5445653
Patent Number:	5443651
Patent Number:	5439614
Patent Number:	5436371
Patent Number:	5434309
Patent Number:	5427861
Patent Number:	5425977
Patent Number:	5425895

Patent Number:	5419850
Patent Number:	5413828
Patent Number:	5401428
Patent Number:	5399429
Patent Number:	5399428
Patent Number:	5380946
Patent Number:	5380794
Patent Number:	5374707
Patent Number:	5371183
Patent Number:	5364964
Patent Number:	5356745
Patent Number:	5349081
Patent Number:	5349048
Patent Number:	5349038
Patent Number:	5346569
Patent Number:	5344934
Patent Number:	5342653
Patent Number:	5334452
Patent Number:	5331099
Patent Number:	5329020
Patent Number:	5320893
Patent Number:	5302717
Patent Number:	5298653
Patent Number:	5298651
Patent Number:	5294384
Patent Number:	5288523
Patent Number:	5281674
Patent Number:	5277855
Patent Number:	5276066
Patent Number:	5266665
Patent Number:	5264058
Patent Number:	5260473
Patent Number:	5248396
Patent Number:	5246764

Patent Number:	5245005
Patent Number:	5244546
Patent Number:	5238994
Patent Number:	5234969
Patent Number:	5233111
Patent Number:	5233010
Patent Number:	5232989
Patent Number:	5232956
Patent Number:	5225470
Patent Number:	5223638
Patent Number:	5221708
Patent Number:	5209974
Patent Number:	5200498
Patent Number:	5189205
Patent Number:	5189098
Patent Number:	5183852
Patent Number:	5182154
Patent Number:	5177049
Patent Number:	5159896
Patent Number:	5145744
Patent Number:	5137954
Patent Number:	5137673
Patent Number:	5130174
Patent Number:	5117046
Patent Number:	5093253
Patent Number:	5093061
Patent Number:	5091258
Patent Number:	5087690
Patent Number:	5087502
Patent Number:	5084306
Patent Number:	5084257
Patent Number:	5079379
Patent Number:	5079315
Patent Number:	5079063

Patent Number:	5075022
Patent Number:	5073453
Patent Number:	5069734
Patent Number:	5068420
Patent Number:	5068407
Patent Number:	5058371
Patent Number:	5055577
Patent Number:	5051469
Patent Number:	5043384
Patent Number:	5037869
Patent Number:	5028658
Patent Number:	5028471
Patent Number:	5024895
Patent Number:	5017116
Patent Number:	5013780
Patent Number:	5013779
Patent Number:	5006582
Patent Number:	5003066
Patent Number:	4989752
Patent Number:	4987266
Patent Number:	4981885
Patent Number:	4975325
Patent Number:	4973511
Patent Number:	4971881
Patent Number:	4971724
Patent Number:	4952541
Patent Number:	4952457
Patent Number:	4950787
Patent Number:	4950714
Patent Number:	4948516
Patent Number:	4933013
Patent Number:	4931537
Patent Number:	4931536
Patent Number:	4913869

Patent Number:	4902464
Patent Number:	4901517
Patent Number:	4900759
Patent Number:	4892558
Patent Number:	4891414
Patent Number:	4891413
Patent Number:	4882382
Patent Number:	4882222
Patent Number:	4879180
Patent Number:	4874814
Patent Number:	4873142
Patent Number:	4867901
Patent Number:	4866109
Patent Number:	4861650
Patent Number:	4859208
Patent Number:	4851466
Patent Number:	4843006
Patent Number:	4839212
Patent Number:	4839211
Patent Number:	4839065
Patent Number:	4828778
Patent Number:	4816550
Patent Number:	4814529
Patent Number:	4808357
Patent Number:	4797317
Patent Number:	4787980
Patent Number:	4768939
Patent Number:	4764303
Patent Number:	4760691
Patent Number:	4759032
Patent Number:	4757043
Patent Number:	4746642
Patent Number:	4731465
Patent Number:	4728460

Patent Number:	4721650
Patent Number:	4720943
Patent Number:	4704465
Patent Number:	4701518
Patent Number:	4693728
Patent Number:	4680212
Patent Number:	4673508
Patent Number:	4666636
Patent Number:	4666623
Patent Number:	4663432
Patent Number:	4654179
Patent Number:	4646514
Patent Number:	4643930
Patent Number:	4639480
Patent Number:	4633015
Patent Number:	4628131
Patent Number:	4627940
Patent Number:	4619853
Patent Number:	4619803
Patent Number:	4618733
Patent Number:	4615840
Patent Number:	4611082
Patent Number:	4610059
Patent Number:	4604253
Patent Number:	4601949
Patent Number:	4600702
Patent Number:	4598000
Patent Number:	4597693
Patent Number:	4592940
Patent Number:	4590101
Patent Number:	4590011
Patent Number:	4587033
Patent Number:	4583357
Patent Number:	4582894

Patent Number:	4580597
Patent Number:	4579762
Patent Number:	4575540
Patent Number:	4574136
Patent Number:	4565658
Patent Number:	4563296
Application Number:	09320078
Application Number:	10446148
Application Number:	10419203
Application Number:	10361608
Application Number:	10347792
Application Number:	10342781
Application Number:	10294728
Application Number:	10293227
Application Number:	10204430
Application Number:	10190323
Application Number:	10164100
Application Number:	10065094
Application Number:	10040275
Application Number:	09962750
Application Number:	09951447
Application Number:	09947840
Application Number:	09801883
Application Number:	09737234
Application Number:	09586201
Application Number:	09361029
Application Number:	09249054
Application Number:	09110641
Application Number:	09065290
Application Number:	09015495
Application Number:	09014768
Application Number:	08997792
Application Number:	08966357
Application Number:	08962670

Application Number:	08614106
---------------------	----------

Application Number:	08344908
---------------------	----------

CORRESPONDENCE DATA

Fax Number: (917)777-4104

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

Phone: 212-735-3000

Email: mmcguire@skadden.com

Correspondent Name: Skadden, Arps, Slate, Meagher & Flom LLP

Address Line 1: Four Times Square

Address Line 4: New York, NY 10036

ATTORNEY DOCKET NUMBER:

525360/1037

NAME OF SUBMITTER:

Jennifer Ward

Total Attachments: 29

source=nyc3-630299-2#page1.tif
source=nyc3-630299-2#page2.tif
source=nyc3-630299-2#page3.tif
source=nyc3-630299-2#page4.tif
source=nyc3-630300-1#page1.tif
source=nyc3-630300-1#page2.tif
source=nyc3-630300-1#page3.tif
source=nyc3-630300-1#page4.tif
source=nyc3-630300-1#page5.tif
source=nyc3-630300-1#page6.tif
source=nyc3-630300-1#page7.tif
source=nyc3-630300-1#page8.tif
source=nyc3-630300-1#page9.tif
source=nyc3-630300-1#page10.tif
source=nyc3-630300-1#page11.tif
source=nyc3-630300-1#page12.tif
source=nyc3-630300-1#page13.tif
source=nyc3-630300-1#page14.tif
source=nyc3-630300-1#page15.tif
source=nyc3-630300-1#page16.tif
source=nyc3-630300-1#page17.tif
source=nyc3-630300-1#page18.tif
source=nyc3-630300-1#page19.tif
source=nyc3-630300-1#page20.tif
source=nyc3-630300-1#page21.tif
source=nyc3-630300-1#page22.tif
source=nyc3-630300-1#page23.tif
source=nyc3-630300-1#page24.tif
source=nyc3-630300-1#page25.tif

RELEASE OF SHORT-FORM PATENT SECURITY AGREEMENT

This RELEASE OF SHORT-FORM PATENT SECURITY AGREEMENT ("Release") is given as of this 28th day of February, 2008 by Citibank, N.A., a National Association, located at 338 Greenwich Street, New York, New York 10013 ("Assignor"), in favor of Solutia Inc., a Delaware corporation, located at 575 Maryville Centre Drive, St. Louis, Missouri 63141, CPFilms Inc., a Delaware corporation, located at 4210 The Great Road, Fieldale, Virginia 24089, Monchem, Inc., a Delaware corporation, located at 575 Maryville Centre Drive, St. Louis, Missouri 63141, Monchem International, Inc., a Delaware corporation, located at 575 Maryville Centre Drive, St. Louis, Missouri 63141, and Solutia Systems, Inc., a Delaware corporation, located at 575 Maryville Centre Drive, St. Louis, Missouri 63141 (collectively "Assignees").

WHEREAS, Assignees entered into (i) a Restated Security and Guarantee Agreement, dated as of July 25, 2002 (the "Non-Sharing Security and Guarantee Agreement"), and (ii) a Short-Form Patent Security Agreement, dated July 25, 2002 (the "Security Agreement"), each in favor of Assignor, as collateral agent for certain Secured Parties. Terms defined in the Non-Sharing Security and Guarantee Agreement are used herein as defined therein.

WHEREAS, pursuant to the Security Agreement, each Assignee assigned, conveyed, mortgaged, pledged and granted to Assignor, for the benefit of the Secured Parties, according to the terms of the Non-Sharing Security and Guarantee Agreement, a security interest in all of its right, title and interest in, to and under all the Patent Collateral of such Assignee located in the United States of America and Europe, including its respective patents listed on the attached Schedule I, and all issued patents and pending applications associated therewith, as collateral security for the prompt and complete payment and performance when due of all the Secured Obligations.

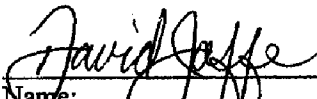
WHEREAS, the Security Agreement was recorded in the United States Patent and Trademark Office on September 25, 2002 at Reel 013352/Frame 0926.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor, on behalf of itself and the Secured Parties, hereby terminates, releases, and discharges its security interest in, and re-conveys, transfers, assigns and sets over unto the Assignees all of its right, title or interest in the Patent Collateral.

[Remainder of page intentionally left blank.]

IN WITNESS WHEREOF, Assignor has caused this Release to be duly executed by its officer thereunto duly authorized as of the date above first written.

CITIBANK, N.A.

By: 
Name: DAVID DAFPE
Title: Director/Vice President

Citibank Release of Short-Form Patent Security Agreement

STATE OF New York)
) SS.
COUNTY OF New York)

I, a notary public, in and for the county and state aforesaid, do hereby certify that David Saffee, personally known to me to be the Vice President of Citibank, N.A., a National Association, appeared before me this day in person and acknowledged that (s)he signed the above and foregoing instrument as his/her free and voluntary act and as the free and voluntary act of said corporation pursuant to authority granted to him/her by the governing body of said corporation for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and notarial seal this 28 day of Feb., 2008.


Notary Public

My commission expires:

DENISE C. PERRY
Notary Public, State of New York
No. 01PE6045304
Qualified in Nassau County
Certificate filed in New York County
Commission Expires: 07/31/2010

Citibank Release of Short-Form Patent Security Agreement

SCHEDULE I

SCHEDULE 1A -- SOLUTIA INC. PATENTS AND PATENT APPLICATIONS

Application/ Issue Number	Patent Title	Issue/Filing Date
6,624,097	Implantable fibers and medical articles	9/23/03
6,620,872	Infrared (IR) absorbing polyvinyl butyral composition, sheet thereof and laminate containing the same	9/16/03
6,617,393	Aqueous binder mixture	9/9/03
6,596,817	Low molar mass aliphatic polyester polyols, their preparation and use in high performance coating compositions	7/22/03
6,579,964	Water-dilutable etherified melamine-formaldehyde resins	6/17/03
6,573,413	Process for activating catalyst for the hydroxylation of aromatics	6/3/03
6,572,972	Aqueous binders	6/3/03
6,562,896	Non-halogenated polyamide composition	5/13/03
6,527,983	Method for inhibiting scale formation	3/4/03
6,524,508	Process for making chitosan-containing acrylic fibers	2/25/03
6,521,700	Aqueous coating composition	2/18/03
6,515,042	Aqueous self crosslinking copolymer dispersions, a process for preparing them and their use in binders for coating materials	2/4/03
6,492,457	Two-component systems based on water-soluble polyesters and blocked isocyanates for aqueous baking varnishes	12/10/02
6,489,398	Water-dilutable brushing paint based on water-soluble alkyd resins	12/3/02
6,469,096	Emulsifiers for high-solids alkyd resins emulsions	10/22/02
6,465,582	Polyoxazoline compounds and their use in surface coating compositions	10/15/02
6,465,536	Superabsorbing fibers and films and processes for preparing same	10/15/02
6,462,124	Water-dilutable coating of oh-acrylate or polyesterurethane resin and blocked acid catalyst	10/8/02
6,433,079	Aqueous anticorrosion primers based on polyvinylbutyral	8/13/02
6,432,338	Propulsion system for contoured film and method of use	8/13/02

6,429,254	Aqueous polyurethane dispersions containing polybutadiene units	8/6/02
6,423,771	Aqueous coating composition	7/23/02
6,414,079	Water dilutable binders for soft feel coating materials	7/2/02
6,413,635	Elastic nylon yarns	7/2/02
6,399,825	Process for manufacture of dimethyl acetamide	6/4/02
6,391,984	Polymerization Process	5/21/02
6,339,169	Method of quenching gaseous acrylonitrile	1/15/02
6,281,388	Low pressure amine reactor	8/28/01
6,265,468	Aqueous polyurethane dispersions and coatings prepared therefrom; crosslinked blend with aromatic polyether	7/24/01
6,211,306	Polyester polyols of low molar mass, their preparation and use in coating compositions	4/3/01
6,211,286	Binders for soft feel coating materials	4/3/01
6,200,499	Compositions for corrosion inhibition of ferrous metals	3/13/01
6,197,855	Nucleation of polyamides in the presence of hypophosphite	3/6/01
6,169,162	Continuous polyamidation process	1/2/01
6,162,541	Superabsorbing fibers and films and process for preparing same	12/19/00
6,162,537	Implantable fibers and medical articles	12/19/00
6,156,938	Process for making phenol or phenol derivatives	12/5/00
6,150,495	Superabsorbing fibers and films and process for preparing same	11/21/00
6,149,960	Process and formulation for a chemically leavened dough or bakery product	11/21/00
6,143,835	Polyacrylonitrile polymer treatment	11/7/00
6,143,387	UV Shield	11/07/00
6,140,773	Automated control of linear constricted plasma source array	10/31/00
6,117,829	Dibasic ester gel/paste composition and use of same for removing polysulfide and other chemicals from substrates	9/12/00
6,117,488	Non-sag liquid application method; coating on substrate to prevent sag	9/12/00
6,118,338	Continuous polymer melt filtration	9/12/00
6,114,427	Method for producing a dispersible, fine titanium pyrophosphate powder	9/5/00
6,110,559	Plastic article having flame retardant properties	8/29/00
6,093,471	Polyvinyl butyral sheet	7/25/00

6,083,283	Method for removing color from ionically dyeable polymeric materials	7/4/00
6,077,374	Method of preparing pre laminate using rough-surfaced interlayer	6/20/00
6,066,687	Acrylic fiber with high optical brightness	5/23/00
6,066,394	Plasticizer resistant emulsion acrylic pressure sensitive adhesive	5/23/00
6,051,200	Process for preparing hemipotassium phosphate	4/18/00
6,048,955	Modacrylic copolymer composition	4/11/00
6,045,700	Retrievable organic carbon scavengers for cleaning of contaminated surface water sediments	4/4/00
6,037,430	Radiation sterilizable pressure sensitive adhesive	3/14/00
6,037,421	Functionalized polymers	3/14/00
6,036,726	Process for separating polyamide from colorant	3/14/00
6,027,804	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	2/22/00
6,020,520	Process for the preparation of tetraalkyl 1,2,3,4-butanetetracarboxylates	2/1/00
6,017,564	Treatment of stressed animals with dihydroxyquinoline compounds	1/25/00
5,999,255	Method and apparatus for measuring Raman spectra and physical properties in-situ	12/7/99
5,998,663	Granular alkali metal nitrilotriacetate	12/7/99
5,997,791	Superabsorbing fibers and films and processes for preparing same	12/7/99
5,981,761	Crosslinked polyaspartate salts a process for their production	11/9/99
5,980,738	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	11/9/99
5,977,008	Selective introduction of active sites for hydroxylation of benzene	11/2/99
5,972,280	Pneumatic embossing	10/26/99
5,972,046	Method for dyeing cationic dyeable nylon with fiber reactive dyes without heat setting	10/26/99

5,952,406	Fire retarded polyamide	9/14/99
5,944,852	Fibers & textile materials having enhanced dyeability & finish compositions used thereof	8/31/99
5,925,798	Thoria catalyst	7/20/99
5,916,410	Carpet reclamation process; contacting carpet including backing with dimethyl ester, separating pile from backing	6/29/99
5,900,519	Catalytic process for the selective alkylation of polycyclic aromatic compounds	5/4/99
5,892,132	Transport hydroxylation reactor	4/6/99
5,895,822	Process for purifying acrylonitrile	4/20/99
5,891,491	Use of dihydroxyquinoline compounds to extend the shelf life of products of mammals and fish; preservation of meats and fish	4/6/99
5,889,138	Process for making stain resistant nylon fiber	3/30/99
5,889,072	Process for preparing superabsorbing crosslinked polyaspartate salt	3/30/99
5,874,647	Benzene hydroxylation catalyst stability by acid treatment	2/23/99
5,874,646	Preparation of phenol or phenol derivatives	2/23/99
5,867,957	Sound insulation pad and use thereof	2/9/99
5,861,531	Process for producing granular alkali metal nitrilotriacetate	1/19/99
5,859,179	Forming superabsorbent polymer	1/12/99
5,859,149	Production of solid polyaspartate salt	1/12/99
5,856,427	Process for the production of polysuccinimide	12/29/99
5,853,828	Safety glass structure resistant to extreme wind and impact	1/5/98
5,844,568	Forming crosslinked polysuccinimide	11/10/98
5,844,028	Cyclic phosphorus containing flame retardant compounds	12/1/98
5,830,240	Fibers & textile materials having enhanced dyeability & finish compositions used thereof	11/3/98
5,808,167	Selective introduction of active sites for hydroxylation of benzene	9/15/98
5,791,574	Yarn bobbin with improved snagger	8/11/98
5,773,068	Leavening system and products therefrom	6/30/98
5,750,603	Polymer-bound non-halogen fire resistant compositions; polyamide containing carboxy-phosphinic or -phosphonic acid units	5/12/98
5,744,693	Granular alkali metal nitrilotriacetate	4/28/98
5,703,134	Copolymers of recycled polyester; heating polyethylene terephthalic with dicarboxylic acid	12/30/97

5,696,290	Synthesis of penta-substituted guanidines; reacting a tri-substituted urea with a di-substituted amine in presence of an aprotic solvent and base	12/9/97
5,672,777	Catalysts for production of phenol and its derivatives; catalyzed oxidative hydroxylation using pre-hydrotreated and heat treated iron-containing zeolite as acid catalyst	9/30/97
5,672,579	Water based dimethyl ester cleaning solution; containing dimethyl adipate, dimethyl glutarate, dimethyl succinate, isopropanol	9/30/97
5,665,694	Block detergent containing nitrilotriacetic acid; alkali metal hydroxides, silicates, sulfates, and carbonates; slurring, curing, solidifying, and shaping	9/9/97
5,648,034	Process of making cut, shaped blanks; thermoplastic resin for laminated windshields	7/15/97
5,631,315	Plasticized polyvinyl butyral sheet containing epoxy resin; improved adhesion to glass sheets with metal oxide reflective coatings and/or electrically conductive coatings	5/20/97
5,624,968	Flexible water-blown polyurethane foams	4/29/97
5,624,599	Liquid hardeners for soil grouting formulations	4/29/97
5,621,059	Polymeric flow modifiers; acrylic acid, alkyl acrylate, waterborne coating material additives	4/15/97
5,618,863	UV stable polyvinyl butyral sheet; hydroxyphenyl substituted benzotriazole compound	4/8/97
5,616,544	Water soluble metal working fluids; polyaspartic acid solution	4/1/97
5,606,106	Hexamethylene phosphonate concentrate; concentrated aqueous storage stable solution	2/25/97
5,599,872	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	2/4/97
5,595,818	Rough-surfaced polyvinyl butyral sheet and method of forming same; safety glass	1/21/97
5,594,069	Process for producing mixed poly(vinyl acetal)s; butyl and long chain acetals	1/14/97
5,593,751	Nylon fiber blends for Saxony carpets	1/14/97

5,591,802	Thermoplastic composition and method for producing thermoplastic composition by melt blending carpet	1/7/97
5,559,193	Controlled functional density polyamines and method for preparation thereof; reacting unsaturated polymer with pendant aldehyde groups with amine, reductive amination	9/24/96
5,552,517	Production of polysuccinimide in an organic medium; polymerization of aspartic acid, high boiling alkanol or alkane solvent, improved color	9/3/96
5,552,185	Plastic article having flame retardant properties; coating of polyolefin and ammonium phosphate or polyphosphate	9/3/96
5,547,736	Block-resistant partial polyvinyl butyral; multitude of spaced projections on surface of sheet	8/20/96
5,545,833	Phosphorous-containing polymers and fibers formed therefrom; polyamides; carpets	8/13/96
5,542,206	Lure and tackle stacking container	8/6/96
5,540,927	Microencapsulation process by coacervation; using gelatin and polyaspartic acid for coacervation	7/30/96
5,540,840	Use of fluidized bed reactors for treatment of wastes containing organic nitrogen compounds	7/30/96
5,536,347	No autoclave process for forming a safety glass laminate	7/16/96
5,529,849	Plasticized polyvinyl butyral sheet containing epoxy resin; laminated glazing panels with stabilized adhesion to photoreactive layers (radiation-reflecting or electroconductive coatings)	6/25/96
5,529,848	Plasticized polyvinyl butyral sheet containing epoxy resin; light transmitting safety glazings for windows, windshields, sunroof, skylights; adhesion stability	6/25/96
5,529,654	Process forming a shaped laminate	6/25/96
5,525,703	Crosslinked polyaspartic acid and salts; derived from polysuccinimides, using crosslinker 4-aminomethyl-1, 8-diaminooctane; used as thickener, flocculant, deflocculant and water absorber	6/11/96
5,525,661	Polymer solution for sizing paper; high molecular weight styrene-maleic half ester copolymers	6/11/96

5,508,109	Fiber blend for low cost, asbestos free fiction material; fibrillating a chopped polyacrylonitrile fiber and an oxidized polyacrylonitrile carbon fiber	4/16/96
5,498,667	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	3/12/96
5,496,922	Decolorization of polysuccinimide	3/5/96
5,496,510	Acrylonitrile filament process; upholstery, garments	3/5/96
5,492,758	Fiber blend for carpet yarns and watermarking resistant carpet formed therefrom	2/20/96
5,490,949	Block detergent containing nitrilotriacetic acid; containing alkali metal salt of nitrilotriacetic acid, alkali metal hydroxides, silicates, carbonates and (or) sulfates and an acid	2/13/96
5,490,942	Process of inhibiting oxalate scale formation; polyaminoalkylene phosphonates are used to inhibit precipitation and deposition of calcium oxalate in an aqueous system	2/13/96
5,482,767	Light-transmitting laminated panel and method of improving its impact resistance; layers of glass with impact resistant polyvinyl butyral layers	1/9/96
5,478,412	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	12/26/95
5,474,767	Polyamines and method for preparation thereof; crosslinked; controlled density; water insoluble; residual unsaturation	12/12/95
5,470,942	Preparation of anhydropolyamino acids; catalytic thermal polymerization of aspartic acid in the presence of methylenephosphonic acid and aminotris (methylenephosphonic acid)	11/28/95
5,464,569	Process for the preparation of oxidation inhibited fluid compositions; in situ formation of alkali metal oxalates in polyphenylene ether basestock	11/7/95
5,464,551	Stabilized phosphate ester-based functional fluid compositions; aircraft hydraulic fluid	11/7/95

5,458,968	Fiber bundles including reversible crimp filaments having improved dyeability	10/17/95
5,457,155	Controlled functional density poly (secondary amines); hydroformylation followed by reductive amination of polymer with olefinic unsaturation; catalytic; having residual double bonds	10/10/95
5,457,147	Controlled functional density poly (secondary amines) and method for preparation thereof; catalytic hydroformylation of an addition polymer; then reductive amination using a primary amine	10/10/95
5,457,139	Flexible water-blown polyurethane foams; nonhalogen-containing benzoate plasticizer	10/10/95
5,455,103	Rough-surfaced interlayer; polyvinyl butyral for laminated safety glass	10/3/95
5,451,697	Process for preparing isocyanates; carbon dioxide and primary amine	9/19/95
5,449,748	Preparation of anhydropolyamino acids at temperatures of 350 [degree(s)] C. or above; polysuccinimide formed by condensation of aspartic acid	9/12/95
5,445,653	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	8/29/95
5,443,651	Process for metal cleaning; polyamide or polypeptide	8/22/95
5,439,614	Oxidation inhibited fluid compositions; colloidal dispersion of aromatic ether and oxidation inhibiting amount of alkali metal salt of oxalic acid	8/8/95
5,436,371	Process for preparing p-nitroaromatic amides and products thereof	7/25/95
5,434,309	Controlled functional density poly (secondary amines); reductive animation (aminomethylation) of a hydroformylated diene-based olefin polymer using a primary amine and a ruthenium hydrogenation catalyst	7/18/95
5,427,861	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	6/27/95
5,425,977	Rough-surfaced interlayer	6/20/95

5,425,895	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	6/20/95
5,419,850	Block detergent containing nitrilotriacetic acid; phosphate-free	5/30/95
5,413,828	Plastic article having flame retardant properties	5/9/95
5,401,428	Water soluble metal working fluids; polyaspartic acid lubricant	3/28/95
5,399,429	Flame retardant recycled polyester copolymers; dihydroxyalkyl dicarboxylates and fireproofing carboxyalkyl or aryl phosphinic acid	3/21/95
5,399,428	Flame retardant polyester copolymers; polyethylene terephthalate with hydroxyalkyl dicarboxylate and carboxy phosphinic acid	3/21/95
5,380,946	Process for preparing p-nitroaromatic amides and products thereof; from nitrobenzene and a nitrile	1/10/95
5,380,794	Polyvinyl butyral tackifier for vinyl chloride polymer compositions; tile compositions for synthetic floors	1/10/95
5,374,707	Hydroxy ethyl bibenzoate; condensing mixture of aromatic dicarboxylic acid and diol in absence of catalyst	12/20/94
5,371,183	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	12/6/94
5,364,964	Process for preparing 1,2,3,4-butanetetracarboxylic acid; hydrolyzing the tetramethyl ester; methanol distillation; oxidation with hydrogen peroxide; discoloration inhibition	11/15/94
5,356,745	Increasing adhesion of polyester and plasticized polyvinyl butyral layers; laminate of polyester, interface of plasma polymerized chlorosilane and polyvinyl butyral	10/18/94
5,349,081	Process for preparing isocyanates; dehydration, primary amine and carbon dioxide	9/20/94
5,349,048	Preparation of polycarbonate products; reaction of carbon dioxide with alcohol to form salt in solvent and reacting with hydrocarbyl halide	9/20/94

5,349,038	Stainblockers for nylon fibers; sulfonated phenolic resin oligomers, lightfast	9/20/94
5,346,569	Process for deairing an interface region; safety glazing	9/13/94
5,344,934	Preparation of urethane and carbonate products; reaction of carbon dioxide and amine in aprotic solvents	9/6/94
5,342,653	Method of producing polyvinyl butyral sheet having a desired level of glass adhesion; applying multiplicity of spaced anti-adhesion projections to surface of sheet	8/30/94
5,334,452	Carpet fibers having multifoliate cross-sectional configuration; multilobal polymeric fibers, for carpets with controlled sheen and luster	8/2/94
5,331,099	Process for preparing p-nitroaromatic amides and products thereof	7/19/94
5,329,020	Preparation of polysuccinimide; catalytic polymerization of aspartic acid in the presence of carbon dioxide	7/12/94
5,320,893	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	6/14/94
5,302,717	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	4/12/94
5,298,653	Process for preparing 1,2,3,4-butanetetracarboxylic acid; hydrolysis of ester using acid catalyst; using hydrogen peroxide to remove color impurities	3/29/94
5,298,651	Process for preparing isocyanates using phosphazine catalysts; reaction of primary amine and carbon dioxide	3/29/94
5,294,384	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	3/15/94
5,288,523	Crosslinkable resin composition comprising a thermoplastic resin; containing a (meth)allyloxy compound	2/22/94

5,281,674	Crosslinkable resin composition comprising a thermoplastic resin; thermoplastic resin blends	1/25/94
5,277,855	Process for forming a yarn having at least one electrically conductive filament by simultaneously cospinning conductive and non-conductive filaments	1/11/94
5,276,066	Halogen-free cyclic phosphorous-containing flame retardant compounds	1/4/94
5,266,665	Metathesis polymerization catalyst and method of polymerizing cyclic olefins therewith; ring-opening, metal halide	11/30/93
5,264,058	Forming a shaped prelaminated 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	11/23/93
5,260,473	Preparation of urethane and carbonate products; reaction of alcohol and carbon dioxide in aprotic solvent and strong amidine or guanidine base	11/9/93
5,248,396	Process for preparing butanetetracarboxylic acid; hydrodimerization of dialkyl malate	9/28/93
5,246,764	Laminated glazing with improved impact strength; blocking resistance	9/21/93
5,245,005	Process for the production of linear amorphous polyamides with excess diamine; amine end groups, phosphinic acid catalyst	9/14/93
5,244,546	Process for preparing tetraalkyl butanetetracarboxylates	9/14/93
5,238,994	Forming polyvinyl butyral; adding surfactant after gel break	8/24/93
5,234,969	Cured phenolic foams; closed-cell foam; dimensional stability	8/10/93
5,233,111	Catalytic process for selective alkylation of aromatic hydrocarbons; using acid form of dealuminated small pore mordenite	8/3/93
5,233,010	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	8/3/93
5,232,989	Functionalized polymers; hydroformylation of polyolefins, reduction to hydroxyl groups, reacting with diisocyanate	8/3/93

5,232,956	Flexible water-blown polyurethane foams; of a polyol and diphenylmethane diisocyanate, and a phthalate, benzoate or phosphate ester plasticizer	8/3/93
5,225,470	Acrylic hot melt pressure sensitive adhesive compositions; comb polymers	7/6/93
5,223,638	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	6/29/93
5,221,708	Use of recovered polyvinyl butyral in the manufacture of flooring	6/22/93
5,209,974	Copolymeric yarns for textured carpets; nylon 66 copolymers	5/11/93
5,200,498	Lactam-lactone copolymer; reacting monomer in presence of 3-12 carbon lactam magnesium halide catalyst and initiator; exhibits properties from plastic to elastomer	4/6/93
5,189,205	Process for preparing isocyanates; reacting carbon dioxide with a primary amine to form an ammonium carbamate salt; reacting with an electrophilic or oxophilic salt	2/23/93
5,189,098	Rubber modified reaction moldable nylon-6 compositions; from a dispersion of core-shell polymer in caprolactam	2/23/93
5,183,852	Polyblends containing polyurethane, polymer and siloxane crosslinker; heat, wear resistance; embossing; cables, pipes; antifogging, hydrophobic	2/2/93
5,182,154	Stain resistant nylon carpets; coating of sulfonated phenolic condensation resin	1/26/93
5,177,049	Oxidation or tertiary-alkyl substituted aromatics; with catalyst of manganese, cobalt and a halide	1/5/93
5,159,896	Poultry nest pad	11/3/92
5,145,744	Bilayer glazing panel; safety glass	9/8/92
5,137,954	Polyvinyl butyral sheet; internal plasticizing by C7 to C15 aniphatic aldehyde groups; external ester plasticizer safety glass	8/11/91
5,137,673	Process for forming plasticized polyvinyl butyral sheet; continuously forcing through slot; gradient color band; radial distortion to form curved shape; uniform thickness	8/11/92

5,130,174	Shaped interlayer blank; plasticized polyvinylbutyral	7/14/92
5,117,046	Preparation of alkylidene diesters; from ether or ester and carbon monoxide and hydrogen	5/26/92
5,093,253	Method for microbial immobilization by entrapment in gellan gum; hardening with magnesium compound	3/3/92
5,093,061	Deep dyeing conjugate yarn processes; melt spinning incompatible polymers, quenching, winding, splitting with boiling water	3/3/92
5,091,258	Laminate for a safety glass; reduced optical defects; used in vehicle windows	2/25/92
5,087,690	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	2/11/92
5,087,502	Process and intermediate sheet for forming shaped interlayer blanks; plasticized polyvinyl butral; wedge-shaped thickness; graduated color strip; safety glass	2/11/92
5,084,306	Process for coating fabrics with fluorochemicals; coating pile fabrics of carpets with fluorochemical emulsions and drying, rinsing and treating with a metal ion solution	1/28/92
5,084,257	Sulfur dioxide removal from stack gas; oxidation of sulfur dioxide to sulfur trioxide with molybdenum catalysts and reaction with calcium to form calcium sulfate	1/28/92
5,079,379	Fluid bed process; ammoxidation of olefins to nitriles	1/7/92
5,079,315	Hybrid amino resin compositions; bonding and coating applications	1/7/92
5,079,063	Solution-spun antiflea fibers; carpet, yarns	1/7/92
5,075,022	Heat transfer fluids; collecting solar energy using mixture of biphenyl, diphenyl oxide, ortho-and meta-terphenyl	12/24/91
5,073,453	High tenacity nylon yarn; for use in tire cords	12/17/91
5,069,734	Dimensional stabilizing process; using polyvinyl butyral	12/3/91
5,068,420	Process for preparing ether carboxylate builders; purification by basification, solvent extraction and separation	11/26/91

5,068,407	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	11/26/91
5,058,371	Continuous filament yarn for trackless carpet	10/22/91
5,055,577	Preparation for urethane products; forming ammonium carbamate from amines and carbon dioxide, followed by reaction with palladium chloride-diolefin complex; reduction	10/8/91
5,051,469	Rubber modified reaction molded nylon-6 block copolymers; shell-core polymers with improved impact strength including a telechelic polymer	9/24/91
5,043,384	Blow molding nylon resins; polymer blends; controlling melt viscosity	8/27/91
5,037,869	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	8/6/91
5,028,658	Sheet of polyvinyl butyral and polyurethane; safety glass	7/2/91
5,028,471	Antiflca fibers	7/2/91
5,024,895	Laminate for a safety glazing; plasticized polyvinyl butyral; polyethylene therephthalate carrier film; flexible; shrink stable; solar radiation control layer	6/18/91
5,017,116	Spinning pack for wet spinning bicomponent filaments	5/21/91
5,013,780	Plasticized polyvinyl butyral and interlayer thereof	5/7/91
5,013,779	Plasticized polyvinyl butyral and interlayer thereof; cyclohexyl adipate plasticizer, radiation resistance	5/7/91
5,006,582	Acrylic hot melt pressure sensitive adhesive compositions; a macromolecule monomer-based thermoplastic comb copolymer, a tackifier and a plasticizer; tack, peel and creep resistance	4/9/91
5,003,066	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	3/26/91

4,989,752	Frangible roof joint for storage tanks	2/5/91
4,987,266	Process for the manufacture of nitrophenetole; n-alkylpyrrolidone as cosolvent	1/22/91
4,981,885	Polymer dispersions, process for their preparation, and their use as binders; paints	1/1/91
4,975,325	Self crimpable nylon 66 carpet yarn; containing chain branching element to prevent broken filaments; provides good luster	12/4/90
4,973,511	Composite solar/safety film and laminated window assembly made therefrom	11/27/90
4,971,881	Toner composition comprising rosin modified styrene acrylic resin	11/20/90
4,971,724	Process for corrosion inhibition of ferrous metals; adding amino acid derivatives to water, increasing viscosity to create corrosion resistance	11/20/90
4,952,541	Acrylonitrile dimerization process and method of treating residual catalyst; deactivation of catalytic phosphorous compound by oxidation to pentavalent state	8/28/90
4,952,457	Laminated safety glass and polymeric laminate for use therein; plasticized polyvinyl butyral, adhesion control agent, a clear polymer film; windshields	8/28/90
4,950,787	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	8/21/90
4,950,714	Cross-linked polyvinyl butyral sheet; laminated safety glass	8/21/90
4,948,516	Method of disposing of wastes containing heavy metal compounds; neutralizing, oxidizing, solidifying using mineral binders	8/14/90
4,933,013	Transparent conductive coatings	6/3/88
4,931,537	Polyglycidamide coating compositions; curable epoxy systems; hydroxy-functional glycidamides from amino resins; solvent, weather resistant	6/5/90
4,931,536	Hydroxy functional acrylamidomethyl amino resins; precursors for epoxidized amino resins; methylolating cyclic urea or melamine components, etherification, acrylamidation, transesterification, epoxidation	6/5/90

4,913,869	Wet-spinning processes for producing acrylic filaments; reducing filament breaks; correlating drying roll stretches and wet stretch	4/3/90
4,902,464	Cross-linked polyvinyl butyral; using di (or tri) aldehydes	2/20/90
4,901,517	Apparatus for the drafting section of ring spinning frames	2/20/90
4,900,759	Phenolic foams; closed-cell phenol-formaldehyde resole; fireproof, rupture resistant, insulation	2/13/90
4,892,558	Process for dyeing stain resistant nylon carpets; adding stain blocker to dye solution	1/9/90
4,891,414	Cyclopentane diol vinylene polymers; hydrolysis of polymer from diester of norbornenediol	1/2/90
4,891,413	Cyclopentane diester vinylene polymers; engineering thermoplastics	1/2/90
4,882,382	Rubber modified reaction molded nylon-6 block copolymers; dispersions of core-shell polymers in caprolactam solutions of telechelic polymers	11/21/89
4,882,222	Carpet fiber blends; of conventional fibers and high shrinkage fibers; better appearance retention in traffic	11/21/89
4,879,180	Stain-resistant nylon fibers; carpet	11/7/89
4,874,814	Cross-linked polyvinyl butyral; with di- or trialdehyde; molecular weight control	10/17/89
4,873,142	Acrylic fibers having superior abrasion/fatigue resistance; wet-spun tow consists of acrylonitrile copolymer	10/10/89
4,867,901	Improved process for reacting salts of D,L-tartaric and maleic acid in the production of ether carboxylate mixtures; calcium catalyst	9/19/89
4,866,109	Method of making reinforced materials having an improved reinforcing material therein; concrete with acrylic homopolymer fibers	9/12/89
4,861,650	Polyimide laminates; mixture of maleimide and maleamic acid with polyamine	8/29/89
4,859,208	Calcium control system: hydrocolloid and alginate for dye printing	8/22/89
4,851,466	Process for preparing heat and light stabilized nylon 66 polymer; polyhexamethylene adipamide, potassium iodide and/or bromide, cupric ammonium carbonate or amino-hydroxide	7/25/89

4,843,006	RecA promoter dependent polypeptide production; genetic vectors	6/27/89
4,839,212	Stain resistant nylon carpets; overcoating with a sulfomated polymer	6/13/89
4,839,211	Saxony carpet having improved appearance retention; blend of staple high shrinkage fibers	6/13/89
4,839,065	Fire retardant concentrates and methods for preparation thereof; aqueous mixture of ammonium phosphates with thickeners; water-dilutable fro dropping from aircraft	6/13/89
4,828,778	Method for continuous injection molding	5/9/89
4,816,550	Polyamide feed yarn for air-jet texturing; spun through non-round capillaries at high speed	3/28/89
4,814,529	Cross-linked polyvinyl butyral; laminated safety glass	3/21/89
4,808,357	Process for forming shaped interlayer blanks; extruding sheet with varying thickness and stretching to form uniform curved shape	2/28/89
4,797,317	Solar control window film	1/10/89
4,787,980	Ultra pure water system monitoring; continuous sampling, analyzing; multiplex units, electronic controller; for industry	11/29/88
4,768,939	Apparatus for forming shaped interlayer blanks	9/6/88
4,764,303	Aminomethylenephosphonate compositions; solid phase-mixture with sodium (bi) sulfate	8/16/88
4,760,691	Partially oriented nylon yarn and process; false-twist heatset textured nylon 66	8/2/88
4,759,032	Electrode seal assembly	7/19/88
4,757,043	Process for preparing vapor phase nitration catalysts; contacting group 4B-3B mixed oxide with sulfur trioxide	7/12/88
4,746,642	Vapor phase nitration catalysts; selective distribution of isomers in nitration of chlorobenzene	5/24/88
4,731,465	Process for producing nitrilotriacetonitrile	3/15/88
4,728,460	Aminomethylenephosphonic acid solutions; crystallization inhibitor	3/1/88
4,721,650	Partially oriented nylon yarn and process; polyamide containing branching agent	1/26/88
4,720,943	Cord structure	1/26/88
4,704,465	Process for preparing ethylenediaminetetraacetonitrile; via ethylenediamine-formaldehyde intermediate	11/3/87
4,701,518	Antimicrobial nylon prepared in water with zinc compound and phosphorus compound; permanence	10/20/87

4,693,728	Hydrocolloid blend for controlled release of calcium ions	9/15/87
4,680,212	Stain resistant nylon fibers; carpet fibers; sulfonic phenolic resins as stain blockers	7/14/87
4,673,508	Inhibition of calcium phosphate scale formation with a maleate polymer	6/16/87
4,666,636	Production of sodium phenol sulfonate	5/19/87
4,666,623	Granular aminomethylenephosphate; dry detergent	5/19/87
4,663,432	Polymeric alkylene diphosphonate anhydrides, their production and use; antiscaling, corrosion resistance	5/5/87
4,654,179	Polyvinyl butyral sheet roughness control; aldehyde crosslinker	3/31/87
4,646,514	Partially oriented nylon yarn and process	3/3/87
4,643,930	Novel carpets with yarns coated with fluorocarbon and adhesive containing fluorocarbon; resists soiling and is substantially impervious to water	2/17/87
4,639,480	Polyester compositions containing a phthalimide; plasticizing	1/27/87
4,633,015	Production of adipic acid from 1,4-disubstituted-2-butene; catalytic carbonylation in aprotic solvent, hydrogenation and hydrolysis	12/30/86
4,628,131	Vapor phase nitration of aromatic compounds; group 3B-group 4B mixed metal oxide catalyst	12/9/86
4,627,940	Process for preparing a polyamide; shipping wet acid crystals, rinsing container with aqueous solution to dissolve	12/9/86
4,619,853	Easy-clean carpets which are stain resistant and water impervious	10/28/86
4,619,803	Self-texturing nylon yarn spinning process; joining hot and cold melts of a single polymer below spinneret	10/28/86
4,618,733	Vapor phase nitration of aromatic compounds; group 4B-group 3B metal mixed oxide catalyst	10/21/86
4,615,840	Aminomethylenephosphonic acid solutions	10/7/86
4,611,082	Production of hex-3-enedioate esters from 1,4 dialkoxy butenes	9/9/86
4,610,059	Warp monitoring and beaming process	9/9/86
4,604,253	Process for forming plasticized polyvinyl butyral interlayers; blending, extrusion	8/5/86
4,601,949	Conjugate filaments and process for producing same	7/22/86

4,600,702	Vapor phase nitration catalysts; nitrogen-containing group 3B-4B mixed oxides, nitroaromatic products	7/15/86
4,598,000	Spray-suppression device; laminated low and high density polyethylene; vehicle wheels	7/1/86
4,597,693	Method and apparatus for installing highway drainage mat	7/1/86
4,592,940	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	6/3/86
4,590,101	Surface coating process; polyallyoxy activator	5/20/86
4,590,011	Ammonoxidation process; using antimony, uranium, iron, bismuth, and molybdenum oxide catalyst	5/20/86
4,587,033	Polymeric acetal carboxylate compositions	5/6/86
4,583,357	Partially oriented nylon yarn and process; polyhexamethylene adipamide	4/22/86
4,582,894	Polyglycidamide coating compositions; blends with epoxy-reactive vehicles; drying and crosslinking at room temperature; toughness; potting; lamination	4/15/86
4,580,597	Fluid distribution system	4/8/86
4,579,762	Stain resistant carpet with impervious backing; aromatic sulfonate modified polylactam or polyamide with fluorochemical backing adhesive	4/1/86
4,575,540	Polyvinyl butyral sheet roughness control; lightly crosslinked with methylene glycol	3/11/86
4,574,136	Plasticized polyvinyl butyral interlayers; unsaturated esters of polyalcohols	3/4/86
4,565,658	Oxidation and ammonoxidation process; oxides of bismuth, molybdenum, vanadium and antimony as catalyst	1/21/86
4,563,296	Plasticizer blend for polyvinyl butyral; improved low temperature performance	1/7/86
10/347,792	Plasticized Polyvinyl Butyral and Sheet	1/22/03
10/147,720	Infrared (IR) Absorbing Composition and Lamin	5/16/02
10/294,728	Non-autoclave NIP Roll Glass Lamination Procedure	11/15/02

10/346,137	Embossed Reflective Laminates	1/16/03
10/419,203	Pleated Support Tubes for Polymer Filters	4/21/03
10/427,412	Polyvinyl Butyral Sheet Having Antiblocking C	5/01/03
10/446,148	Plasma Display Panel Filters	5/28/03
10/190,323	Tacky Polymer Melt Spinning Process	7/05/02
10/431,404	Tacky Polymer Melt Spinning Process	5/07/03
10/342,781	Fiber Reactive Dyeing System	1/15/03
10/306,664	Process for Preparing a Catalyst for the Oxidation	11/27/02
10/065,094	Colorable Filaments from Polymer Blend	9/17/02
10/327,765	Low Pressure Process for the Manufacture of 3-	12/23/02
10/236,259	Process for Reducing Nitrogen Oxide Emissions	9/06/02
10/259,491	Device for Direct Insertion of Yarn in Automa	9/30/02
10/361,608	Cyclohexane Oxidation Catalyst	2/11/03
10/164,100	Method for Inhibiting CaCO ₃ Scale in Kraft	6/05/02
10/164,331	Method for Inhibiting CaCO ₃ Scale in Kraft	6/05/02
10/376,520	Use of Dinydroxyquinoline to Aid in Increasing	2/27/03
10/003,890	Anti-Static woven fabric and flexible bulk	10/25/01
10/040,275	Computer system for the analysis and design of	11/1/01
10/003,890	Anti-Static Woven Fabric and Flexible Bulk	10/25/01
10/040,275	Computer System for the Analysis & Design of	11/1/01
10/102,905	Controlling Solar Radiation in Safety Glass	3/22/02
10/120,009	Process for Preparation of Temperature-Sensitive	4/10/02
10/124,779	Light-Stable Colored Transparent Composite	4/18/02

10/135,417	Digital Color-Design Composite for Use in	4/30/02
10/125,888	Tacky Polymer Melt Spinning Process	4/30/02
10/151,082	Acid Halide Functional Materials	6/15/82
10/151,182	Acid Halide Functional Materials	6/15/82
10/164,100	Method for Inhibiting Caco3 Scale in Kraft	6/5/02
10/164,331	Method for Inhibiting Caco3 Scale in Kraft	6/5/02
10/190,323	Tacky Polymer Melt Spinning Process	7/5/02
10/192,785	Composite Interlayer for Laminated Glass	7/10/02
10/204,430	Flame Retardant, Optical Films	3/15/01
10/209,430	Process for Producing a Calcium Carboxylate	7/30/02
10/236,259	Process for Reducing Nitrogen Oxide Emissions	9/6/02
10/259,491	Device for Direct Insertion of Yarn in Automatic	9/30/02
10/293,227	Binder Fiber for Improved Carpet Appearance	11/13/02
10/294,728	Non-Autoclave Nip Roll Glass Lamination Process	11/15/02
10/306,664	Process for Preparing a Catalyst for the Oxidation	11/27/02
10/342,781	Fiber Reactive Dyeing System	1/15/03
10/346,137	Embossed Reflective Laminates	1/16/03
10/347,792	Plasticized Polyvinyl Butyral and Sheet	1/22/03
10/361,608	Cyclohexane Oxidation Catalyst	2/11/03
10/376,520	Use of Dihydroxyquinoline to Aid in Increasing	2/27/03
10/389,083	Fade Protector	3/15/03
10/419,203	Pleated Support Tubes for Polymer Filters	4/21/03

10/427,412	Polyvinyl Butyral Sheet Having Antiblocking	5/1/03
10/431,404	Tacky Polymer Melt Spinning Process	5/7/03
10/445,942	A System and Methods for Filtering Electromagnetic	5/28/03
10/446,148	Plasma Display Panel Filters	5/28/03
10/452,146	Fluorinated Polymer Sheets	6/3/03
10/457,185	Polyvinyl Butyral Sheet with Bifunctional	6/9/03
10/457,642	Polyvinyl Butyral Sheet with Bifunctional	6/9/03
60/480,039	Film having a coating with release properties	6/21/03
60/471,443	Methods and structure for integrated manageme	5/16/03
60/468,639	Method and Apparatus for Splicing Indeterminate	5/08/03
60/465,636	Protective film for glazing	4/25/03
60/458,817	Integrated System for Managing Active Pharmaceutical	3/28/03
60/458,615	An Integrated and Web-Enabled Drug Development	3/28/03
60/439,975	Recycle of Condensed Quench Overheads in a	1/14/03
60/360,316	Embossed reflective laminates	2/28/02
60/344,263	Non-autoclave nip roll glass lamination process	12/27/01
60/296,316	Method for inhibiting Caco3 scale in Kraft	6/6/01
60/285,365	Carbon black pigmented yarn with improved	4/20/01
60/214,755	Acoustic insulating glass laminates	6/27/00
60/178,680	Metals removal from electrolyte used in	1/28/00
60/062,346	MOCP080-Carbon dioxide assisted hydrolysis	10/15/97

60/061,642	MOCP061 – Method for separating phosphorous	10/9/97
60/018,102	Stabilization of polyaspartic acid	7/20/95
20020165656	Binder fiber for improved carpet appearance retention and endpoint	
20030162809	Use of dihydroxyquinoline to aid in increasing milk production and feed utilization	
20030161997	Embossed reflective laminates	
20030148114	Glass lamination process	
200220136859	Antistatic Yarn, Fabric, Carpet and Fiber Blend Formed From Conductive or Quasi-Conductive Stable Fiber	
20020061395	Intrusion resistant glass laminates	
20010023020	Implantable fibers and medical articles	
08092932	Compositions for Corrosion Inhibition Of Fer	7/19/93
08344908	Process for the Preparation of Oxidation Inhi	11/25/94
08399301	Novel Polyamines & Method for Preparation Th	3/06/95
08614106	Nutrient Composition to Increase Anaerobic Fe	3/12/96
08962670	Sun Shield	11/31/97
08966357	Food Acidulat	11/07/97
08997792	Method for Producing a Dispersible, Fine Tita	12/24/97
090004683	Stabilized Phosphate Ester-Based Functional F	7/02/97
09014768	Method for Producing an Even Coating on a Ver	1/28/98
09015495	Controlled Functional Density Polyamines and	1/28/98
09065290	Solution Crystallization Process for the Prod	4/23/98

09066634	Fire Resistant Cellulosic Materials and Rende	4/24/98
09110641	A Method to Produce Nitrous Oxide	7/06/98
09166342	Sound Insulation Pad and use Thereof	9/30/98
09216621	Method of Coating Nylon & Polyester fibers Wi	12/17/98
09242821	Novel Water Solubel Metal Working Fluids	2/24/99
09249054	Process to Prepare a Polymer Nanocomposite Co.	2/12/99
092256226	Fire Retardant Concentrates and Methods for P	2/24/99
09261497	Colorand Liquid, Method of Use, and Wildland	3/31/99
09320077	Process for Nitrous Oxide Purification	5/26/99
09320078	Control System for Continuous Polyamidation P	5/26/99
09333431	Process for Recovery of Olefinically Unsatura	6/15/99
09361029	Method of Cleaning Aluminium and Aluminum Allo	7/23/99
09377777	Optical Filter for a Window	8/20/99
09586201	Antistatic Yarn, Fabric, Carpet and Fiber Ble	6/02/00
09730488	Implantable Fibers and Medical Articles	12/05/00
09736340	Device for Deairing Laminates	12/15/00
09737234	Intrusion Resistant Glass Laminate	12/14/00
09787344	Photosensitive Plastics Films and Information	3/16/01
09801883	Stabilized Phosphate Ester-Based Functional F	3/08/01
09851072	Functional Fluid compositions Containing Epox	5/08/01
09851321	Transparent Conductive Stratiform Coating Of	5/09/01
09926419	Low Reflection Composite in Transparent Matri	10/30/01

09936939	Block Copolymer Film	11/13/01
09947840	Compositions and Methods for Reducing Odor	9/06/01
09951447	Durable, Low Ohm, High Transmission	9/14/01
09962750	Intrusion Resistant Glass Laminates	9/25/01
09963110	Low Density Acrylic Fiber	9/25/01
09964296	Process for Recovery of Olefinically Unsatura	9/20/01