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attached original documents or copy thereof.

1. Name of conveying party(ies):

Huntsman Petrochemical Corporation

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

2. Name and address of receiving party(ies)

Name: Deutsche Bank Trust Company Americas (formerly known as Bankers Trust Company), as agent

Street Address: 31 W. 52nd St

City: New York State: NY ZIP: 10022

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance: MRB 10/15/02

- Assignment  Merger
- Security Agreement  Change of Name

Other Grant of Security Interest in U.S. Trademarks and Patents

Execution Date: September 30, 2002

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)

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  
33rd Floor

Street Address: 35 W. Wacker

City: Chicago State: IL ZIP: 60601

6. Total number of applications and patents involved: 271

7. Total fee (37 CFR 3.41).....\$10,840

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

N/A

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy the original document.

Laura Konrath  
Name of Person Signing

Signature

10/7/02  
Date

Total number of pages including cover sheet, attachments, and document:

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PATENT  
REEL: 013362 FRAME: 0237

# Continuation Item 4

Schedule B

U.S. Patents and Applications  
Huntsman Petrochemical Corporation

All patents are encumbered with security interests.

<u>Patent Number</u>	<u>Registration Date</u>	<u>Title</u>
APP. # 736842	7/29/1991	LACTONE-IMIDAZOLE COMPLEXES
APP. # 652437	8/31/2000	WATER EMULSIFIABLE FORMULATIONS
APP. # 10/191217	7/9/2002	WATER EMULSIFIABLE FORMULATIONS
APP. # 777763	2/6/2001	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
APP. # 598692	4/20/1998	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
APP. # 10/046936	1/14/2002	METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS
APP. # 491697	1/26/2000	METHOMYL CONCENTRATE SOLUTIONS
APP. # 307955	5/10/1999	IMPROVED GLYCOL PURIFICATION
APP. #479436	1/7/2000	SUFACTANT COMPOSITIONS CONTAINING ALKOXYLATED AMINES
APP. # 480836	1/10/2000	ANHYDRIDE STABILIZATION
APP. # 10/224050	8/20/2002	ANHYDRIDE STABILIZATION
APP. #10/223990	8/20/2002	ANHYDRIDE STABILIZATION

12

APP. # 10/121319	4/12/2002	PHOSPHATE ESTER BASED SURFACTANT ADJUVANTS AND COMPOSITIONS
APP. # 640834	8/17/2000	MANNICH CONDENSATE BASED SURFACTANT ADJUVANTS
APP. # 597313	6/20/2000	MANUFACTURE OF CYCLOHEXANE FROM BENZENE AND HYDROGEN
APP. # 654439	9/1/2000	PAINT STRIPPING COMPOSITIONS
APP. #10/223867	8/20/2002	PAINT STRIPPING COMPOSITIONS
APP. # 10/061565	2/1/2002	PAINT AND COATING REMOVER
APP. # 640224	8/16/2000	ALKALI-SILICATE POLYISOCYANATE COMPOSITES
APP. # 10/015064	12/11/2001	ALKALI- SILICATE POLYISOCYANATE COMPOSITES
APP. # 905237	7/13/2001	REDUCED POUR POINT SURFACTANTS
APP. # 961589	9/24/2001	PRIMARY ALKANOLAMIDES
APP. # 704001	11/1/2000	PAINT AND COATING REMOVER
APP. # 603168	6/26/2000	CONCENTRATED SURFACTANT BLENDS
APP. #196998	7/16/2002	CONCENTRATED SURFACTANT BLENDS
APP. # 10/140178	5/17/2002	ADVANCES IN DEHYDROGENATION CATALYSIS
APP. # 10/083230	2/26/2002	PURIFICATION OF ALKYLENE CARBONATES
APP. # 10/071169	2/8/2002	PROCESS TO PRODUCE PHOTOCHROMIC GRADE ALKYLENE CARBONATES
APP. # 537121	3/29/2000	LOW POUR POINT PRIMARY AMIDES

29

APP. # 718208	11/21/2000	SURFACTANT ADJUVANTS USEFUL IN HERBICIDE
APP. # 10/175535	6/18/2002	COMPOSITIONS SURFACTANT ADJUVANTS USEFUL IN HERBICIDE
APP. # 10/061536	2/1/2002	COMPOSITIONS DEGREASING COMPOSITIONS
APP. # 669982	9/26/2000	REMOVAL OF DEHA FROM A BUTADIENE STREAM
APP. # 559841	4/26/2000	SOLID ALKLYBENZENE SULFONATES AND CLEANING
APP. # 946318	9/5/2001	COMPOSITIONS ALKYL GLYCIDYL CARBONATE
APP. # 946313	9/5/2001	COMPOSITIONS AND THEIR PREPARATION ALTERNATIVE PHOTORESIST
APP. # 10/164793	6/6/2002	STRIPPING SOLUTIONS ALTERNATIVE PHOTO RESIST STRIPPING COMPOSITIONS
APP. # 752118	12/29/2000	PROCESS FOR THE PRODUCTION OF HIGH MELTING CARBONATES
APP. # 616568	7/14/2000	FUEL AND OIL DETERGENTS
APP. # 863558	5/23/2001	PREPARATION OF HYDROXYALKYLCARB AMATES FROM 6- MEMBERED CYCLIC
APP. # 723870	11/28/2000	PAINT STRIPPER FOR AIRCRAFT AND OTHER MULTICOAT SYSTEMS
APP. # 668961	9/25/2000	CLEANING COMPOSITIONS FOR HARD SURFACES (AMENDED)

42

APP. # 665642	9/19/2000	ALKYL TOLUENE SULFONATE DETERGENTS
APP. # 695569	10/24/2000	AGRICULTURAL FORMULATIONS CONTAINING ENHANCED SURFACTANTS
APP. # 754867	1/5/2001	ADVANCED SULFOSUCCINAMATE SURFACTANTS
APP. # 946312	9/5/2001	ALKOXYLATION WITH 6-MEMBERED ALKYLENE CARBONATES
APP. # 822914	3/30/2001	MULTIFUNCTIONAL CARBONATES AND DERIVATIVES
APP. # 776985	2/5/2001	STYRENE COPOLYMERS COMBINED WITH METALLIC SPECIES
APP. # 766480	1/19/2001	STYRENE COPOLYMERS IN DE- INKING
APP. # 10/164027	6/6/2002	STYRENE COPOLYMERS IN DE- INKING
APP. # 843330	4/26/2001	PROCESS TO REMOVE PAINT AND PRIMER COATINGS
APP. # 10/127286	4/22/2002	POLYMERIZATION- INHIBITED DISTILLATION
APP. # 842451	4/26/2001	ADVANCES IN TOWELETES
APP. # 10/038462	1/7/2002	ADVANCES IN URETHANE FOAM CATALYSIS
APP. # 950133	9/10/2001	CATALYST SYSTEMS FOR POLYURETHANE POLYESTER FOAMS
APP. #950147	9/10/2001	ABSORBENT POLYMER MODIFICATION

40

APP. # 60/322696	9/17/2001	METHODS FOR STABILIZING AQUEOUS ALKYLENE CARBONATE
APP. # 953776	9/17/2001	MANNICH POLYOLS FOR RIGID SPRAY FOAMS
APP. # 60/329453	10/15/2001	SCRUBBING PADS COMPRISING POLYUREAS
APP. # 60/345881	10/23/2001	ADVANCES IN AMINATION
APP. # 60/337538	11/8/2001	DRILLING FLUIDS
APP. # 60/333889	11/28/2001	SULFOSUCCINAMATE SURFACTANTS AS DEPOSITION INHIBITORS
APP. # 60/340658	12/14/2001	ADVANCES IN AMINATION CATALYSIS
APP. # 10/124925	4/18/2002	ADVANCES IN AMINATION CATALYSIS
APP. # 60/350866	1/22/2002	COATING REMOVER COMPOSITIONS AND USE THEREOF
APP. # 60/371965	4/12/2002	AMIND BLEND ACCELERATORS FOR POLYOXYALKYLENE POLYAMINE CURED
APP. # 60/390668	6/21/2002	AMINE BLEND ACCELERATORS FOR POLYOXYALKLENEPOL YAMINE CURED
APP. # 60/379580	5/10/2002	AMINE BLEND ACCELERATORS FOR POLYOXYALKYLENEPO LYAMINE CURED
APP. # 60/372975	4/16/2002	6-MEMBERED CYCLIC CARBONATES
APP. # 60/391754	6/26/2002	COLOR STABILIZATION
APP. # 10/200361	7/22/2002	PREPARATION OF SECONDARY AMINES
4421906	12/20/1983	WATER-BASED EPOXY RESIN COATING

72

4464488	8/7/1984	POLYURETHANES USING MONOCARBOXYLIC ACID SALTS
4479010	10/23/1984	PROCEDURE FOR THE ALKOXYLATION OF POLYOXYALKYLENEA MINES
4482743	11/13/1984	HYDROXYALKYL BIS (DIALKYLAMINOALKY L) AMINE MANUFACTURE
4485229	11/27/1984	EPOXY RESIN CONTAINING A COMBINATION OF HIGH AND LOW
4487805	12/11/1984	DECORATIVE EPOXY RESIN AGGREGATE BINDER FORMULATION
4487806	12/11/1984	DECORATIVE EPOXY RESIN AGGREGATE BINDER FORMULATION
4487987	12/11/1984	METHOD OF DECOLORIZING MIXTURES OF AMINOETHYLPIPERAZI NE
4492801	1/8/1985	PRODUCTION OF N- SUBSTITUTED (METH) ACRYLAMIDES
4501907	2/26 1985	MALEIC ANHYDRIDE PRODUCTION USING HIGH BUTANE FEED
4533719	8/6/1985	EPOXY RESINS WITH INCREASED FLEXIBILITY
4560674	12/24/1985	CATALYSTS FOR THE PRODUCTION OF MALEIC ANHYDRIDE
4562268	12/31/1985	PROCESS FOR PRODUCING MALEIC ANHYDRIDE

84

4567158	1/28/1986	PROCESS FOR PREPARING PHOSPHORUS- VANADIUM MIXED OXIDE
4579630	4/1/1986	BIS (AMINOETHYL) ETHER AND METHOXYETHYL MORPHOLINE SEPARATED
4602085	7/22/1986	CATALYTIC PROCESS FOR THE PRODUCTION OF HYDROXYAMINE
4618717	10/21/1986	CATALYTIC PROCESS FOR THE PRODUCTION OF PRIMARY AMINES
4632915	12/30/1986	IRON/LITHIUM- PROMOTED CATALYSTS FOR THE PRODUCTION OF MALEIC
4642303	2/10/1987	CATALYST COMPOSITION
4645623	2/24/1987	ALKYLARYL SULFONATE COMPOSITIONS
4670415	6/2/1987	PROCESS FOR THE PREPARATION OF IRON/LITHIUM- PROMOTED
4673762	6/16/1987	DECOLORIZING ETHANOLAMINES WITH ALKYLENE OXIDES
4687593	8/18/1987	ALKYLARYL SULFONATE COMPOSITIONS
4691041	9/1/1987	PROCESS FOR THE PRODUCTION OF ETHYLENE GLYCOL AND DIMETHYL
4705814	11/10/1987	REACTION PRODUCT OF POLYOXYALKYLENE POLYAMINE

96



4732919	3/22/1988	REACTION INJECTION MOLDED ELASTOMER MADE
4761465	8/2/1988	ISOCYANATE CAPPED POLYOXYALKYLENE DIAMINES PREPARED
4766245	8/23/1988	PROCESS FOR THE PREPARATION OF POLYOXYALKYLENE POLYAMINES
4767555	8/30/1988	POLYOXYALKYLENE DIAMINES MODIFIED BY GLYCIDYL ETHERS
4775519	10/4/1988	REMOVAL OF ACID GASES FROM GAS STREAMS
4827038	5/2/1989	BIS (DIAMINOPOLYALKOX Y)-N-ALKYLAMINES BY AMINATION
4827039	5/2/1989	NITRILO (TRIS) POLYOXYALKYLENEA MINES IN A REACTION INJECTION
4835241	5/30/1989	EPOXY COATINGS USING ACRYLATE ESTERS, POLYETHERPOLYAMIN ES
4855459	8/8/1989	PROCESS FOR THE PRODUCTION OF MALEIC ANHYDRIDE
4888446	12/19/1989	PREPARATION OF POLYOXYALKYLENE GLYCOL AMINES
4891086	1/2/1990	STRAND COATING METHOD
4892977	1/9/1990	PREPARATION OF NONIONIC SURFACTANTS BY OXYLKYLATION
4897430	1/30/1990	ONE COMPONENT POLYUREA

107

4904711	2/27/1990	POLYMER CONCRETE COMPOSITION FOR CEMENTITIOUS ROAD REPAIR
4906774	3/6/1990	PROCESS FOR PREPARING DIAMINES
4925988	5/15/1990	LOW FOAMING SURFACTANT
4946933	8/7/1990	ELASTOMERIC POLYAMIDE HOT MELT ADHESIVE FROM LOW MOLECULAR
4990576	2/5/1991	TETRAMINES BY AMINATION OF POLYOXYALKYLENE GLYCOLS
5003107	3/26/1991	CATALYTIC METHOD FOR THE REDUCTIVE AMINATION
5011926	4/30/1991	NICKEL-BASED DUAL CATALYST SYSTEM TO SUPPRESS CARBON DIOXIDE
5030710	7/9/1991	NYLON-6 MODIFIED WITH TEREPHTHALIC ACID SALT
5049411	9/17/1991	POLYMER CONCRETE COMPOSITION
5053484	10/1/1991	POLYETHER AMIDES PREPARED FROM A POLYOXYALKYLENE POLYAMINE
5053569	10/1/1991	PROCESS FOR OLIGOMERIZING OLEFINS TO PREPARE BASE STOCKS
5055231	10/8/1991	REACTION PRODUCTS OF BORIC ACID AND ALKANOLETHERAMINE S
5066804	11/19/1991	PREPARATION OF ALKYL MORPHOLINONES
5071980	12/10/1991	NICKEL/RUTHENIUM DUAL CATALYST SYSTEMS

27

5075506	12/24/1991	CONTINUOUS PREPARATION OF SECONDARY AMINES FROM NITRILES
5082924	1/21/1992	POLYAMIDE-ESTER FROM POLYETHYLENE GLYCOL MONOAMINE
5086162	2/4/1992	POLYETHER AMIDE FROM POLYALKYLENE GLYCOL DIAMINE AND DIACID
5091572	2/25/1992	AMINE TERMINATED POLYAMIDES
5091585	2/25/1992	CONTINUOUS PREPARATION OF TERTIARY ALIPHATIC METHYL AMINES
5093455	3/3/1992	N, N- DIALKYLENEDIAMINES AS CURING AGENTS
5093458	3/3/1992	4-METHYL-2- MORPHOLINONE AS A CURATIVE FOR EPOXY RESIN
5099073	3/24/1992	CATALYTIC PROCESS FOR THE PRODUCTION OF DIKETONE DERIVATIVES
5103062	4/7/1992	LOW-MELTING, WATER SOLUBLE POLYOXYALKLYENE AMINES PREPARED
5118728	6/2/1992	SPRAY POLY UREA ELASTOMERS USING CHOPPED GLASS ROVING
5118785	6/2/1992	POLYAMIDES PREPARED FROM POLYOXYALKLENE DIAMINES
5120817	6/9/1992	POLYAMIDES PREPARED FROM POLYOXYALKYLENE DIAMINES

136

5124426	6/23/1992	DI (METHYLTHIO)- TOLUENEDIAMINE AS A CHAIN EXTENDER IN SPRAY
5128441	7/7/1992	BLOCK POLYAMIDO CONDENSATION PRODUCTS
5136035	8/4/1992	CATALYTIC SYNTHESIS OF ALKYL MORPHOLINONES
5137860	8/11/1992	PROCESS FOR THE TRANSFORMATION OF VANADIUM/PHOSPHOR US MIXED
5140090	8/18/1992	ALIPHATIC POLYUREAS PREPARED FROM POLYOXYALKYLENEPO LYAMINES
5140097	8/18/1992	POLYAMIDES PREPARED FROM DICARBOXYLIC ACIDS, E.G., ADIPIC
5146041	9/8/1992	METHOD OF SEPARATING ISOBUTYLENE FROM A C-4 HYDROCARBON
5153232	10/6/1992	WATER BLOWN POLYUREA FOAMS BASED ON ALIPHATIC PRIMARY
5162388	11/10/1992	CYCLOALIPHATIC DIAMINES, E.G., 1, 3- DIAMINO CYCLOHEXANE
5168090	12/1/1992	SHAPED OXIDATION CATALYST STRUCTURES
5177301	1/5/1993	METHOD OF SEPARATING ISOBUTYLENE FROM A C-4 HYDROCARBON
5185455	2/9/1993	METHOD FOR IMPROVING THE PERFORMANCE OF VPO CATALYSTS

147

5185485	2/9/1993	PROCESS FOR PREPARING ALKYLBENZENE
5189073	2/23/1993	PROCESS FOR THE PRODUCTION OF EXPANDED MATERIALS
5189075	2/23/1993	POLYUREA ELASTOMERS MADE USING POLYOXYALKYLENE TETRA
5191033	3/2/1993	EPOXY RESIN COMPOSITION CONTAINING AMINATED EPOXY
5218005	6/8/1993	SPRAY POLYUREA ELASTOMERS PREPARED USING LOW MOLECULAR EPOXY CURING AGENTS
5235007	8/10/1993	POLYOXYALKYLENE GLYCOLS CONTAINING IMIDAZOLIDONES
5238971	8/24/1993	AROMATIC POLYOXYALKYLENE AMIDOAMINES
5239048	8/24/1993	CRYSTALLIZATION AGENT FOR BISPHENOL-A POLYCARBONATE
5248756	9/28/1993	HEIMD-CONTAINING POLYETHERAMINE CURATIVE
5250632	10/5/1993	POLY (AMIDE-ETHER- AMIDE) ABA TRIBLOCK COPOLYMERS
5254668	10/19/1993	
5254737	10/19/1993	
5262551	11/16/93	CONTINUOUS PREPARATION OF SECONDARY AMINES FROM NITRILES PROCESS FOR ETHYLENE EPOXIDATION

140

5266671	11/30/1993	CHEMICALLY SIZED MINERAL PARTICLES IN SPRAY POLYUREA
5275996	1/4/1994	PHOSPHOROUS/VANAD IUM OXIDE CATALYST
5276215	1/4/1994	ALKYLPHENOLS PREPARED FROM PHENOL AND CORRESPONDING OLEFINS
5288873	2/22/1994	AMINATED ALKOXYLATED IMIDAZOLIDONES
5298618	3/29/1994	MACROCYCLIC OXAMIDES
5317076	5/31/1994	SPRAY POLYUREA ELASTOMERS BASED ON AN AMINATED 1,2-BUTYLENE
5324812	6/28/1994	WATER SOLUBLE POLYAMIDES PREPARED FROM DIMER ACIDS
5324880	6/28/1994	PROCESS FOR DEHYDROGENATION OF PARAFFIN
5340889	8/23/1994	CARBONATES OF BIS- GLYCIDYL ETHERS LIQUEFIED BY REACTING
5344984	9/6/1994	METHOD FOR PREPARING "TWIN - TAILED" POLYOXYALKYLENE TERITARY
5344996	9/6/1994	CATALYST REMOVAL FROM ALCOHOL ALKOXYLATES USING ACID CLAYS
5352835	10/4/1994	SUPPORTED CATALYSTS FOR AMINATION
5364824	11/15/1994	CATALYSTS FOR THE PRODUCTION OF MALEIC ANHYDRIDE

17

5414087	5/9/1995	PREPARATION OF N- ALKYLPIPERAZINES
5436351	7/25/1995	IMIDAZOLIDONE POLYETHERAMIDE SURFACTANT
5442034	8/15/1995	ALIPHATIC SPRAY POLYUREA ELASTOMERS CONTAINING ORGANIC
5449725	9/12/1995	POLYFUNCTIONAL POLYMERS USED AS DEINKING AGENTS
5480955	1/2/1996	ALIPHATIC SPRAY POLYUREA ELASTOMERS
5494595	2/27/1996	OIL SOLUBLE POLYETHERS
5504181	4/2/1996	ALIPHATIC SPRAY POLYUREA ELASTOMERS
5516343	5/14/1996	HYDROCARBON COMPOSITIONS CONTAINING A POLYETHERAMIDE
5519154	5/21/1996	POLYETHER SULFONATES AND THEIR SURFACTANT DERIVATIVES
5612305	3/18/1997	LOW FOAM SURFACTANT SYSTEM OBTAINED BY MIXING
5616677	4/1/1997	ALIPHATIC SPRAY POLYUREA ELASTOMER UTILIZING AN AMINE CHAIN
5616811	4/1/1997	ETHERAMINE ETHOXYLATES
5617208	4/1/1997	IGNITION DETECTION METHOD AND DEVICE FOR A REACTION VESSEL
5631387	5/20/1997	PROCESS AND APPARATUS FOR THE PREPARATION AND RECOVERY

107

5641722	6/24/1997	IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS
5646235	7/8/1997	REDUCTIVE ALKYLATION OF POLYAMINES
5668217	9/16/1997	AMIDOAMINE MODIFICATION OF POLYPROPYLENE
5698746	12/16/1997	PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS
5700846	12/23/1997	POLYUREA FOAM MADE FROM AMINATED POLYETHER POLYAMINE
5721315	2/24/1998	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5723565	3/3/1998	EPOXY CURING AGENTS
5731397	3/24/1998	POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY
5734066	3/31/1998	ASSESSMENT OF AUTOIGNITION CONDITIONS AND SUPPRESSION
5759695	6/2/1998	POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION
5770782	6/23/1998	PROCESS AND SYSTEM FOR ALKYLATION OF AROMATIC COMPOUNDS
5773382	6/30/1998	IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS

194



5777187	7/7/1998	TWO STEP PROCESS FOR ALKYLATION OF BENZENE
5782938	7/21/1998	FUEL COMPOSITION
5783630	7/21/1998	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5847254	12/8/1998	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
5861051	1/19/1999	PROCESS FOR REMOVING CARBON DIOXIDE FROM GAS MIXTURE
5877331	3/2/1999	PREVENTION OF CATALYST ATTRITION AND TAR FORMATION
5912382	6/15/1999	HYDROXYALKYL CARBAMATE COMPOSITIONS AND PROCESSES
5929183	7/27/1999	POLYFUNCTIONAL POLYMERS USED AS DEINKING AGENTS
5929256	7/27/1999	MOLYBDENUM MODIFIED VANADIUM- PHOSPHOROUS OXIDE CATALYSTS
5942576	8/24/1999	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5945368	8/31/1999	MOLYBDENUM MODIFIED VANADIUM- PHOSPHATE OXIDE CATALYSTS
5959032	9/28/1999	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5962144	10/5/1999	POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION

212

5962618	10/5/1999	POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY
5962699	10/5/1999	PROCESS FOR DECOLORIZING ORGANIC CARBONATES
5962748	10/5/1999	PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS
5965667	10/12/1999	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5972174	10/26/1999	PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE
5985999	11/16/1999	DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED
6005121	12/21/1999	HIGH PRODUCTIVITY PROCESS FOR THE PRODUCTION OF MALEIC
6013755	1/11/2000	A METHOD OF PREPARING AN ALIPHATIC POLYUREA SPRAY ELASTOMER
6015550	1/18/2000	METHOD FOR CONTROLLING ODOR USING ALKYLENE CARBONATES
6031048	2/29/2000	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6040284	3/21/2000	PAINT AND COATING REMOVER
6046343	4/4/2000	PREVENTION OF CATALYST ATTRITION AND TAR FORMATION

224

6057443	5/2/2000	DIMORPHOLINOETHYL ETHER HAVING IMPROVED ISOCYANATE STABILITY
6060625	5/9/2000	PROCESS FOR THE PRODUCTION OF ETHERAMINE ALKOXYLATES
6063145	5/16/2000	FUEL COMPOSITIONS CONTAINING ETHERAMINE ALKOXYLATES
6063965	5/16/2000	PRODUCTION OF DIETHANOLAMINE
6075168	6/13/2000	SELECTIVE PRODUCTION OF DIETHANOLAMINE
6083897	7/4/2000	SOLUBILIZATION OF LOW 2-PHENYL ALKYLBENZENE SULFONATES
6090245	7/18/2000	PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE
6093496	7/25/2000	POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED
6093773	7/25/2000	FUNCTIONALIZED POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6093854	7/25/2000	A PROCESS FOR PREPARING ALKANOLAMINES FROM POLYOLEFIN
6120654	9/19/2000	PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE
6127480	10/3/2000	DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED

274

6133217	10/17/2000	SOLUBILIZATION OF LOW 2-PHENYL ALKYLBENZENE SULFONATES
6133492	10/17/2000	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
6140416	10/31/2000	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6146574	11/14/2000	ARTICLE MANUFACTURE USING POLYOLEFIN
6156160	12/5/2000	ALKYLENE CARBONATE PROCESS
6159915	12/12/2000	PAINT AND COATING REMOVER
6162776	12/19/2000	PAINT AND COATING REMOVER
6166281	12/26/2000	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
6169061	1/2/2001	PAINT AND COATING REMOVER
6187108	2/13/2001	PROPYLENE CARBONATE BASED UNCURED EPOXY RESIN CLEANERS
6191317	2/20/2001	PROCESS FOR PREPARATION OF POLYALKYL HYDROXYAROMATICS
6210452	4/3/2001	FUEL ADDITIVES
6214914	4/10/2001	POLYETHER MONOAMINE WITH 36- 44 ETHYLENE OXIDE UNITS AND 1-6
6239090	5/29/2001	POLYVINYL PYRROLIDONE AS A THICKENER IN PAINT STRIPPING
6258866	7/10/2001	BLOWING AGENT COMPATIBILIZATION

51

6262297	7/17/2001	PREPARATION OF HYDROXYALKYL CARB AMATES FROM 6- MEMBERED CYCLIC
6294071	9/25/2001	METHODS FOR FORMING COPPER SOLUTIONS
6300505	10/9/2001	METHOD AND APPARATUS FOR IMPROVING THE UNIFORMITY
6306964	10/23/2001	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6310174	10/30/2001	PRIMARY ALKANOLAMIDES
6315908	11/13/2001	METHOD FOR TREATMENT OF WASTE WATER
6315964	11/13/2001	PROCESS AND SYSTEM FOR ALKYLATION OF AROMATIC COMPOUNDS
6340559	1/22/2002	SEMICONDUCTOR DEVELOPING AGENT
6369009	4/9/2002	PAINT AND COATING REMOVER
6376588	4/23/2002	WATER SOLUBLE MOLD RELEASE COMPOSITION FOR ELASTOMERIC
6384240	5/7/2002	PROCESS TO PRODUCE PHOTOCHROMIC GRADE ALKYLENE CARBONATES
6387187	5/14/2002	DECONTAMINATION OF ISOCYANATE FOULED MATERIALS
6387223	5/14/2002	ALKYLENE CARBONATE PROCESS
6395103	5/28/2002	DEGREASING COMPOSITIONS
6399736	6/4/2002	METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS

266

6417135	7/9/2002	ADVANCES IN DEHYDROGENATION CATALYSIS
6420311	7/16/2002	POLYETHER DIAMINE BASED SURFACTANT ADJUVANTS
6420327	7/16/2002	CARBONATE BASED VARNISH REMOVER
6420482	7/16/2002	DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED
6436883	8/20/2002	HYDRAULIC AND GEAR LUBRICANTS

271

GRANT OF SECURITY INTEREST IN  
UNITED STATES TRADEMARKS AND PATENTS

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, Huntsman Petrochemical Corporation, a Delaware corporation (the "Grantor") with principal offices at 3040 Post Oak Boulevard, Houston, TX 77056, hereby grants to Deutsche Bank Trust Company Americas (formerly known as Bankers Trust Company), as Collateral Agent, with principal offices at 31 West 52<sup>nd</sup> Street, New York, NY 10022 (the "Grantee"), a security interest in (i) all of the Grantor's right, title and interest in and to the United States trademarks, trademark registrations and trademark applications (the "Marks") set forth on Schedule A attached hereto, (ii) all of the Grantor's right, title and interest in and to the United States patents (the "Patents") set forth on Schedule B attached hereto, in each case together with (iii) all Proceeds (as such term is defined in the Security Agreement referred to below) of the Marks and Patents, (iv) the goodwill of the businesses symbolized by the Marks and (v) all causes of action arising prior to or after the date hereof for infringement of any of the Marks and Patents or unfair competition regarding the same.

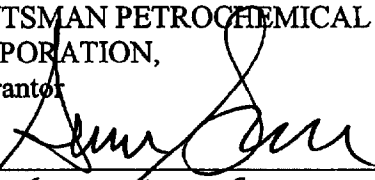
THIS GRANT is made to secure the full and prompt performance and payment of all the Obligations of the Grantor, as such term is defined in the Security Agreement between the Grantor, the other assignors party thereto and the Grantee, dated as of September 30, 2002 (as amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"). Upon the occurrence of the Termination Date (as defined in the Security Agreement), the Grantee shall, upon such satisfaction, execute, acknowledge, and deliver to the Grantor an instrument in writing releasing the security interest in and re-assigning the Marks and Patents acquired under this Grant to the Grantor.

This Grant has been granted in conjunction with the security interest granted to the Grantee under the Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are more fully set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Grant are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

[signature page follows]

IN WITNESS WHEREOF, the undersigned have executed this Grant of Security Interest as of the 30<sup>th</sup> day of September, 2002

HUNTSMAN PETROCHEMICAL  
CORPORATION,  
as Grantor

By:   
Name: Samuel D. Scruggs  
Title: Vice President and Treasurer

DEUTSCHE BANK TRUST COMPANY  
AMERICAS (formerly known as Bankers Trust  
Company), as Grantee

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

Grant of Security Interest in United States Trademarks and Patents

**PATENT**  
**REEL: 013362 FRAME: 0260**



IN WITNESS WHEREOF, the undersigned have executed this Grant of Security Interest as of the 30<sup>th</sup> day of September, 2002.

HUNTSMAN PETROCHEMICAL  
CORPORATION,  
as Grantor

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

DEUTSCHE BANK TRUST COMPANY  
AMERICAS (formerly known as Bankers Trust  
Company), as Grantee

By: M N Orlando  
Name: MARCO ORLANDO  
Title: DIRECTOR

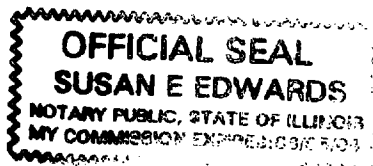
Grant of Security Interest in United States Trademarks and Patents

PATENT  
REEL: 013362 FRAME: 0261

STATE OF ILLINOIS )  
COUNTY OF COOK ) ss.:

On this 30<sup>th</sup> day of September, 2002 before me personally came Samuel Scussis, who being duly sworn, did depose and say that he is VP. and Treasurer of Huntsman Petrochemical Corporation, that he is authorized to execute the foregoing Grant of Security Interest on behalf of said corporation and that he did so by authority of the Board of Directors of said corporation.

Susan E. Edwards  
Notary Public



STATE OF Illinois )  
COUNTY OF Cook ) ss.:

On this 30<sup>th</sup> day of September, 2002, before me personally came Marco Orlando who, being by me duly sworn, did state as follows: that s/he is Director of Deutsche Bank Trust Company Americas (formerly known as Bankers Trust Company), that s/he is authorized to execute the foregoing Grant of Security Interest on behalf of said corporation and that he did so by authority of the Board of Directors of said corporation.

Stacy Anne Rankin  
Notary Public





Schedule A

U.S. Trademark Registration  
Huntsman Petrochemical Corporation

<u>Registered Mark</u>	<u>Registration No.</u>	<u>Registration Date</u>
JEFFSOL	2077844	7/8/1997
JEFFCAT	2046303	3/18/1997
JEFFCOOL	2027525	12/31/1996
JEFFTREAT	2035971	2/4/1997
JEFF	2125922	12/30/1997
JEFFRIM	2034390	1/28/1997
JEFFOL	2297884	12/7/1999
JEFFSTRIP	2342161	4/18/2000
CARBALINK	2271545	8/24/1999
BUBBLE DESIGN	2200138	10/27/1998
DGA	1254970	10/25/1983
DIGLYCOLAMINE	0790882	6/15/1965
HARTFLOC	1951651	1/23/1996
JEFFAMINE	0900546	10/13/1970
JEFFERSOL	0769789	5/19/1964
JEFFOX	1283943	7/3/1984
QUICKTREAT	1710727	8/25/1992
SURFOL	2359811	6/20/2000
SURFONAMINE	2299734	12/14/1999
SURFONIC	0623813	3/27/1956
SURFONIC	0638883	12/18/1956
UNIBIND	2145091	3/17/1998
ULTRAPURE	2439636	3/27/2001
UNIFROTH	2343670	4/18/2000
HARTOSOFT	2373035	8/1/2000
POGOL	2375441	8/8/2000
TERMUL	APP. # 78/086508	10/2/2001
TERSPERSE	APP. # 76/310848	9/10/2001
TERWET	APP. # 75/888924	1/6/2000
ALKAPOL	1470302	12/29/1987
E-GRADE	APP. # 76/121120	9/1/2000
JEFFLINK	APP. # 78/053882	3/19/2001
AMINOLOGY	APP. # 78/115824	3/19/2002

33



Schedule B

U.S. Patents and Applications  
Huntsman Petrochemical Corporation

All patents are encumbered with security interests.

<u>Patent Number</u>	<u>Registration Date</u>	<u>Title</u>
APP. # 736842	7/29/1991	LACTONE-IMIDAZOLE COMPLEXES
APP. # 652437	8/31/2000	WATER EMULSIFIABLE FORMULATIONS
APP. # 10/191217	7/9/2002	WATER EMULSIFIABLE FORMULATIONS
APP. # 777763	2/6/2001	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
APP. # 598692	4/20/1998	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
APP. # 10/046936	1/14/2002	METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS
APP. # 491697	1/26/2000	METHOMYL CONCENTRATE SOLUTIONS
APP. # 307955	5/10/1999	IMPROVED GLYCOL PURIFICATION
APP. #479436	1/7/2000	SUFECTANT COMPOSITIONS CONTAINING ALKOXYLATED AMINES
APP. # 480836	1/10/2000	ANHYDRIDE STABILIZATION
APP. # 10/224050	8/20/2002	ANHYDRIDE STABILIZATION
APP. #10/223990	8/20/2002	ANHYDRIDE STABILIZATION

12

APP. # 10/121319	4/12/2002	PHOSPHATE ESTER BASED SURFACTANT ADJUVANTS AND COMPOSITIONS
APP. # 640834	8/17/2000	MANNICH CONDENSATE BASED SURFACTANT ADJUVANTS
APP. # 597313	6/20/2000	MANUFACTURE OF CYCLOHEXANE FROM BENZENE AND HYDROGEN
APP. # 654439	9/1/2000	PAINT STRIPPING COMPOSITIONS
APP. #10/223867	8/20/2002	PAINT STRIPPING COMPOSITIONS
APP. # 10/061565	2/1/2002	PAINT AND COATING REMOVER
APP. # 640224	8/16/2000	ALKALI-SILICATE POLYISOCYANATE COMPOSITES
APP. # 10/015064	12/11/2001	ALKALI- SILICATE POLYISOCYANATE COMPOSITES
APP. # 905237	7/13/2001	REDUCED POUR POINT SURFACTANTS
APP. # 961589	9/24/2001	PRIMARY ALKANOLAMIDES
APP. # 704001	11/1/2000	PAINT AND COATING REMOVER
APP. # 603168	6/26/2000	CONCENTRATED SURFACTANT BLENDS
APP. #196998	7/16/2002	CONCENTRATED SURFACTANT BLENDS
APP. # 10/140178	5/17/2002	ADVANCES IN DEHYDROGENATION CATALYSIS
APP. # 10/083230	2/26/2002	PURIFICATION OF ALKYLENE CARBONATES
APP. # 10/071169	2/8/2002	PROCESS TO PRODUCE PHOTOCHROMIC GRADE ALKYLENE CARBONATES
APP. # 537121	3/29/2000	LOW POUR POINT PRIMARY AMIDES

29



APP. # 718208	11/21/2000	SURFACTANT ADJUVANTS USEFUL IN HERBICIDE COMPOSITIONS
APP. # 10/175535	6/18/2002	SURFACTANT ADJUVANTS USEFUL IN HERBICIDE COMPOSITIONS
APP. # 10/061536	2/1/2002	DEGREASING COMPOSITIONS
APP. # 669982	9/26/2000	REMOVAL OF DEHA FROM A BUTADIENE STREAM
APP. # 559841	4/26/2000	SOLID ALKLYLBENZENE SULFONATES AND CLEANING COMPOSITIONS
APP. # 946318	9/5/2001	ALKYL GLYCIDYL CARBONATE COMPOSITIONS AND THEIR PREPARATION
APP. # 946313	9/5/2001	ALTERNATIVE PHOTORESIST STRIPPING SOLUTIONS
APP. # 10/164793	6/6/2002	ALTERNATIVE PHOTO RESIST STRIPPING COMPOSITIONS
APP. # 752118	12/29/2000	PROCESS FOR THE PRODUCTION OF HIGH MELTING CARBONATES
APP. # 616568	7/14/2000	FUEL AND OIL DETERGENTS
APP. # 863558	5/23/2001	PREPARATION OF HYDROXYALKYLCARB AMATES FROM 6- MEMBERED CYCLIC
APP. # 723870	11/28/2000	PAINT STRIPPER FOR AIRCRAFT AND OTHER MULTICOAT SYSTEMS
APP. # 668961	9/25/2000	CLEANING COMPOSITIONS FOR HARD SURFACES (AMENDED)

42

APP. # 665642	9/19/2000	ALKYL TOLUENE SULFONATE
APP. # 695569	10/24/2000	DETERGENTS AGRICULTURAL FORMULATIONS CONTAINING ENHANCED SURFACTANTS
APP. # 754867	1/5/2001	ADVANCED SULFOSUCCINAMATE SURFACTANTS
APP. # 946312	9/5/2001	ALKOXYLATION WITH 6-MEMBERED ALKYLENE CARBONATES
APP. # 822914	3/30/2001	MULTIFUNCTIONAL CARBONATES AND DERIVATIVES
APP. # 776985	2/5/2001	STYRENE COPOLYMERS COMBINED WITH METALLIC SPECIES
APP. # 766480	1/19/2001	STYRENE COPOLYMERS IN DE- INKING
APP. # 10/164027	6/6/2002	STYRENE COPOLYMERS IN DE- INKING
APP. # 843330	4/26/2001	PROCESS TO REMOVE PAINT AND PRIMER COATINGS
APP. # 10/127286	4/22/2002	POLYMERIZATION- INHIBITED DISTILLATION
APP. # 842451	4/26/2001	ADVANCES IN TOWELETES
APP. # 10/038462	1/7/2002	ADVANCES IN URETHANE FOAM CATALYSIS
APP. # 950133	9/10/2001	CATALYST SYSTEMS FOR POLYURETHANE POLYESTER FOAMS
APP. #950147	9/10/2001	ABSORBENT POLYMER MODIFICATION

44

APP. # 60/322696	9/17/2001	METHODS FOR STABILIZING AQUEOUS ALKYLENE CARBONATE
APP. # 953776	9/17/2001	MANNICH POLYOLS FOR RIGID SPRAY FOAMS
APP. # 60/329453	10/15/2001	SCRUBBING PADS COMPRISING POLYUREAS
APP. # 60/345881	10/23/2001	ADVANCES IN AMINATION
APP. # 60/337538	11/8/2001	DRILLING FLUIDS
APP. # 60/333889	11/28/2001	SULFOSUCCINAMATE SURFACTANTS AS DEPOSITION INHIBITORS
APP. # 60/340658	12/14/2001	ADVANCES IN AMINATION CATALYSIS
APP. # 10/124925	4/18/2002	ADVANCES IN AMINATION CATALYSIS
APP. # 60/350866	1/22/2002	COATING REMOVER COMPOSITIONS AND USE THEREOF
APP. # 60/371965	4/12/2002	AMIND BLEND ACCELERATORS FOR POLYOXYALKYLENE POLYAMINE CURED
APP. # 60/390668	6/21/2002	AMINE BLEND ACCELERATORS FOR POLYOXYALKLENEPOL YAMINE CURED
APP. # 60/379580	5/10/2002	AMINE BLEND ACCELERATORS FOR POLYOXYALKYLENEPO LYAMINE CURED
APP. # 60/372975	4/16/2002	6-MEMBERED CYCLIC CARBONATES
APP. # 60/391754	6/26/2002	COLOR STABILIZATION
APP. # 10/200361	7/22/2002	PREPARATION OF SECONDARY AMINES
4421906	12/20/1983	WATER-BASED EPOXY RESIN COATING

72

4464488	8/7/1984	POLYURETHANES USING MONOCARBOXYLIC ACID SALTS
4479010	10/23/1984	PROCEDURE FOR THE ALKOXYLATION OF POLYOXYALKYLENEA MINES
4482743	11/13/1984	HYDROXYALKYL BIS (DIALKYLAMINOALKY L) AMINE MANUFACTURE
4485229	11/27/1984	EPOXY RESIN CONTAINING A COMBINATION OF HIGH AND LOW
4487805	12/11/1984	DECORATIVE EPOXY RESIN AGGREGATE BINDER FORMULATION
4487806	12/11/1984	DECORATIVE EPOXY RESIN AGGREGATE BINDER FORMULATION
4487987	12/11/1984	METHOD OF DECOLORIZING MIXTURES OF AMINOETHYLPIPERAZI NE
4492801	1/8/1985	PRODUCTION OF N- SUBSTITUTED (METH) ACRYLAMIDES
4501907	2/26 1985	MALEIC ANHYDRIDE PRODUCTION USING HIGH BUTANE FEED
4533719	8/6/1985	EPOXY RESINS WITH INCREASED FLEXIBILITY
4560674	12/24/1985	CATALYSTS FOR THE PRODUCTION OF MALEIC ANHYDRIDE
4562268	12/31/1985	PROCESS FOR PRODUCING MALEIC ANHYDRIDE

84

4567158	1/28/1986	PROCESS FOR PREPARING PHOSPHORUS- VANADIUM MIXED OXIDE
4579630	4/1/1986	BIS (AMINOETHYL) ETHER AND METHOXYETHYL MORPHOLINE SEPARATED
4602085	7/22/1986	CATALYTIC PROCESS FOR THE PRODUCTION OF HYDROXYAMINE
4618717	10/21/1986	CATALYTIC PROCESS FOR THE PRODUCTION OF PRIMARY AMINES
4632915	12/30/1986	IRON/LITHIUM- PROMOTED CATALYSTS FOR THE PRODUCTION OF MALEIC
4642303	2/10/1987	CATALYST COMPOSITION
4645623	2/24/1987	ALKYLARYL SULFONATE COMPOSITIONS
4670415	6/2/1987	PROCESS FOR THE PREPARATION OF IRON/LITHIUM- PROMOTED
4673762	6/16/1987	DECOLORIZING ETHANOLAMINES WITH ALKYLENE OXIDES
4687593	8/18/1987	ALKYLARYL SULFONATE COMPOSITIONS
4691041	9/1/1987	PROCESS FOR THE PRODUCTION OF ETHYLENE GLYCOL AND DIMETHYL
4705814	11/10/1987	REACTION PRODUCT OF POLYOXYALKYLENE POLYAMINE

96

4732919	3/22/1988	REACTION INJECTION MOLDED ELASTOMER MADE
4761465	8/2/1988	ISOCYANATE CAPPED POLYOXYALKYLENE DIAMINES PREPARED
4766245	8/23/1988	PROCESS FOR THE PREPARATION OF POLYOXYALKYLENE POLYAMINES
4767555	8/30/1988	POLYOXYALKYLENE DIAMINES MODIFIED BY GLYCIDYL ETHERS
4775519	10/4/1988	REMOVAL OF ACID GASES FROM GAS STREAMS
4827038	5/2/1989	BIS (DIAMINOPOLYALKOX Y)-N-ALKYLAMINES BY AMINATION
4827039	5/2/1989	NITRIL (TRIS) POLYOXYALKYLENEA MINES IN A REACTION INJECTION
4835241	5/30/1989	EPOXY COATINGS USING ACRYLATE ESTERS, POLYETHERPOLYAMIN ES
4855459	8/8/1989	PROCESS FOR THE PRODUCTION OF MALEIC ANHYDRIDE
4888446	12/19/1989	PREPARATION OF POLYOXYALKYLENE GLYCOL AMINES
4891086	1/2/1990	STRAND COATING METHOD
4892977	1/9/1990	PREPARATION OF NONIONIC SURFACTANTS BY OXYLKYLATION
4897430	1/30/1990	ONE COMPONENT POLYUREA

107

4904711	2/27/1990	POLYMER CONCRETE COMPOSITION FOR CEMENTITIOUS ROAD REPAIR
4906774	3/6/1990	PROCESS FOR PREPARING DIAMINES
4925988	5/15/1990	LOW FOAMING SURFACTANT
4946933	8/7/1990	ELASTOMERIC POLYAMIDE HOT MELT ADHESIVE FROM LOW MOLECULAR
4990576	2/5/1991	TETRAMINES BY AMINATION OF POLYOXYALKYLENE GLYCOLS
5003107	3/26/1991	CATALYTIC METHOD FOR THE REDUCTIVE AMINATION
5011926	4/30/1991	NICKEL-BASED DUAL CATALYST SYSTEM TO SUPPRESS CARBON DIOXIDE
5030710	7/9/1991	NYLON-6 MODIFIED WITH TEREPHTHALIC ACID SALT
5049411	9/17/1991	POLYMER CONCRETE COMPOSITION
5053484	10/1/1991	POLYETHER AMIDES PREPARED FROM A POLYOXYALKYLENE POLYAMINE
5053569	10/1/1991	PROCESS FOR OLIGOMERIZING OLEFINS TO PREPARE BASE STOCKS
5055231	10/8/1991	REACTION PRODUCTS OF BORIC ACID AND ALKANOLETHERAMINE S
5066804	11/19/1991	PREPARATION OF ALKYL MORPHOLINONES
5071980	12/10/1991	NICKEL/RUTHENIUM DUAL CATALYST SYSTEMS

27

5075506	12/24/1991	CONTINUOUS PREPARATION OF SECONDARY AMINES FROM NITRILES
5082924	1/21/1992	POLYAMIDE-ESTER FROM POLYETHYLENE GLYCOL MONOAMINE
5086162	2/4/1992	POLYETHER AMIDE FROM POLYALKYLENE GLYCOL DIAMINE AND DIACID
5091572	2/25/1992	AMINE TERMINATED POLYAMIDES
5091585	2/25/1992	CONTINUOUS PREPARATION OF TERTIARY ALIPHATIC METHYL AMINES
5093455	3/3/1992	N, N- DIALKYLENEDIAMINES AS CURING AGENTS
5093458	3/3/1992	4-METHYL-2- MORPHOLINONE AS A CURATIVE FOR EPOXY RESIN
5099073	3/24/1992	CATALYTIC PROCESS FOR THE PRODUCTION OF DIKETONE DERIVATIVES
5103062	4/7/1992	LOW-MELTING, WATER SOLUBLE POLYOXYALKLYENE AMINES PREPARED
5118728	6/2/1992	SPRAY POLY UREA ELASTOMERS USING CHOPPED GLASS ROVING
5118785	6/2/1992	POLYAMIDES PREPARED FROM POLYOXYALKLENE DIAMINES
5120817	6/9/1992	POLYAMIDES PREPARED FROM POLYOXYALKYLENE DIAMINES

36



5124426	6/23/1992	DI (METHYLTHIO)- TOLUENEDIAMINE AS A CHAIN EXTENDER IN SPRAY
5128441	7/7/1992	BLOCK POLYAMIDO CONDENSATION PRODUCTS
5136035	8/4/1992	CATALYTIC SYNTHESIS OF ALKYL MORPHOLINONES
5137860	8/11/1992	PROCESS FOR THE TRANSFORMATION OF VANADIUM/PHOSPHOR US MIXED
5140090	8/18/1992	ALIPHATIC POLYUREAS PREPARED FROM POLYOXYALKYLENEPO LYAMINES
5140097	8/18/1992	POLYAMIDES PREPARED FROM DICARBOXYLIC ACIDS, E.G., ADIPIC
5146041	9/8/1992	METHOD OF SEPARATING ISOBUTYLENE FROM A C-4 HYDROCARBON
5153232	10/6/1992	WATER BLOWN POLYUREA FOAMS BASED ON ALIPHATIC PRIMARY
5162388	11/10/1992	CYCLOALIPHATIC DIAMINES, E.G., 1, 3- DIAMINO
5168090	12/1/1992	CYCLOHEXANE SHAPED OXIDATION CATALYST STRUCTURES
5177301	1/5/1993	METHOD OF SEPARATING ISOBUTYLENE FROM A C-4 HYDROCARBON
5185455	2/9/1993	METHOD FOR IMPROVING THE PERFORMANCE OF VPO CATALYSTS

147

5185485	2/9/1993	PROCESS FOR PREPARING ALKYLBENZENE
5189073	2/23/1993	PROCESS FOR THE PRODUCTION OF EXPANDED MATERIALS
5189075	2/23/1993	POLYUREA ELASTOMERS MADE USING POLYOXYALKYLENE TETRA
5191033	3/2/1993	EPOXY RESIN COMPOSITION CONTAINING AMINATED EPOXY
5218005	6/8/1993	SPRAY POLYUREA ELASTOMERS PREPARED USING LOW MOLECULAR
5235007	8/10/1993	EPOXY CURING AGENTS
5238971	8/24/1993	POLYOXYALKYLENE GLYCOLS CONTAINING IMIDAZOLIDONES
5239048	8/24/1993	AROMATIC POLYOXYALKYLENE AMIDOAMINES
5248756	9/28/1993	CRYSTALLIZATION AGENT FOR BISPHENOL-A
5250632	10/5/1993	POLYCARBONATE HEIMD-CONTAINING POLYETHERAMINE CURATIVE
5254668	10/19/1993	POLY (AMIDE-ETHER- AMIDE) ABA TRIBLOCK COPOLYMERS
5254737	10/19/1993	CONTINUOUS PREPARATION OF SECONDARY AMINES FROM NITRILES
5262551	11/16/93	PROCESS FOR ETHYLENE EPOXIDATION

140

5266671	11/30/1993	CHEMICALLY SIZED MINERAL PARTICLES IN SPRAY POLYUREA
5275996	1/4/1994	PHOSPHOROUS/VANAD IUM OXIDE CATALYST
5276215	1/4/1994	ALKYLPHENOLS PREPARED FROM PHENOL AND CORRESPONDING OLEFINS
5288873	2/22/1994	AMINATED ALKOXYLATED IMIDAZOLIDONES
5298618	3/29/1994	MACROCYCLIC OXAMIDES
5317076	5/31/1994	SPRAY POLYUREA ELASTOMERS BASED ON AN AMINATED 1,2-BUTYLENE
5324812	6/28/1994	WATER SOLUBLE POLYAMIDES PREPARED FROM DIMER ACIDS
5324880	6/28/1994	PROCESS FOR DEHYDROGENATION OF PARAFFIN
5340889	8/23/1994	CARBONATES OF BIS- GLYCIDYL ETHERS LIQUEFIED BY REACTING
5344984	9/6/1994	METHOD FOR PREPARING "TWIN - TAILED" POLYOXYALKYLENE TERITARY
5344996	9/6/1994	CATALYST REMOVAL FROM ALCOHOL ALKOXYLATES USING ACID CLAYS
5352835	10/4/1994	SUPPORTED CATALYSTS FOR AMINATION
5364824	11/15/1994	CATALYSTS FOR THE PRODUCTION OF MALEIC ANHYDRIDE

17

5414087	5/9/1995	PREPARATION OF N- ALKYLPIPERAZINES
5436351	7/25/1995	IMIDAZOLIDONE POLYETHERAMIDE SURFACTANT
5442034	8/15/1995	ALIPHATIC SPRAY POLYUREA ELASTOMERS CONTAINING ORGANIC
5449725	9/12/1995	POLYFUNCTIONAL POLYMERS USED AS DEINKING AGENTS
5480955	1/2/1996	ALIPHATIC SPRAY POLYUREA ELASTOMERS
5494595	2/27/1996	OIL SOLUBLE POLYETHERS
5504181	4/2/1996	ALIPHATIC SPRAY POLYUREA ELASTOMERS
5516343	5/14/1996	HYDROCARBON COMPOSITIONS CONTAINING A POLYETHERAMIDE
5519154	5/21/1996	POLYETHER SULFONATES AND THEIR SURFACTANT DERIVATIVES
5612305	3/18/1997	LOW FOAM SURFACTANT SYSTEM OBTAINED BY MIXING
5616677	4/1/1997	ALIPHATIC SPRAY POLYUREA ELASTOMER UTILIZING AN AMINE CHAIN
5616811	4/1/1997	ETHERAMINE ETHOXYLATES
5617208	4/1/1997	IGNITION DETECTION METHOD AND DEVICE FOR A REACTION VESSEL
5631387	5/20/1997	PROCESS AND APPARATUS FOR THE PREPARATION AND RECOVERY

107

5641722	6/24/1997	IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS
5646235	7/8/1997	REDUCTIVE ALKYLATION OF POLYAMINES
5668217	9/16/1997	AMIDOAMINE MODIFICATION OF POLYPROPYLENE
5698746	12/16/1997	PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS
5700846	12/23/1997	POLYUREA FOAM MADE FROM AMINATED POLYETHER POLYAMINE
5721315	2/24/1998	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5723565	3/3/1998	EPOXY CURING AGENTS
5731397	3/24/1998	POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY
5734066	3/31/1998	ASSESSMENT OF AUTOIGNITION CONDITIONS AND SUPPRESSION
5759695	6/2/1998	POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION
5770782	6/23/1998	PROCESS AND SYSTEM FOR ALKYLATION OF AROMATIC COMPOUNDS
5773382	6/30/1998	IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS

154

5777187	7/7/1998	TWO STEP PROCESS FOR ALKYLATION OF BENZENE
5782938	7/21/1998	FUEL COMPOSITION
5783630	7/21/1998	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5847254	12/8/1998	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
5861051	1/19/1999	PROCESS FOR REMOVING CARBON DIOXIDE FROM GAS MIXTURE
5877331	3/2/1999	PREVENTION OF CATALYST ATTRITION AND TAR FORMATION
5912382	6/15/1999	HYDROXYALKYL CARBAMATE COMPOSITIONS AND PROCESSES
5929183	7/27/1999	POLYFUNCTIONAL POLYMERS USED AS DEINKING AGENTS
5929256	7/27/1999	MOLYBDENUM MODIFIED VANADIUM- PHOSPHOROUS OXIDE CATALYSTS
5942576	8/24/1999	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5945368	8/31/1999	MOLYBDENUM MODIFIED VANADIUM- PHOSPHATE OXIDE CATALYSTS
5959032	9/28/1999	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5962144	10/5/1999	POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION

212

5962618	10/5/1999	POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY
5962699	10/5/1999	PROCESS FOR DECOLORIZING ORGANIC CARBONATES
5962748	10/5/1999	PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS
5965667	10/12/1999	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
5972174	10/26/1999	PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE
5985999	11/16/1999	DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED
6005121	12/21/1999	HIGH PRODUCTIVITY PROCESS FOR THE PRODUCTION OF MALEIC
6013755	1/11/2000	A METHOD OF PREPARING AN ALIPHATIC POLYUREA SPRAY ELASTOMER
6015550	1/18/2000	METHOD FOR CONTROLLING ODOR USING ALKYLENE CARBONATES
6031048	2/29/2000	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6040284	3/21/2000	PAINT AND COATING REMOVER
6046343	4/4/2000	PREVENTION OF CATALYST ATTRITION AND TAR FORMATION

224

6057443	5/2/2000	DIMORPHOLINOETHYL ETHER HAVING IMPROVED ISOCYANATE STABILITY
6060625	5/9/2000	PROCESS FOR THE PRODUCTION OF ETHERAMINE ALKOXYLATES
6063145	5/16/2000	FUEL COMPOSITIONS CONTAINING ETHERAMINE ALKOXYLATES
6063965	5/16/2000	PRODUCTION OF DIETHANOLAMINE
6075168	6/13/2000	SELECTIVE PRODUCTION OF DIETHANOLAMINE
6083897	7/4/2000	SOLUBILIZATION OF LOW 2-PHENYL ALKYLBENZENE SULFONATES
6090245	7/18/2000	PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE
6093496	7/25/2000	POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED
6093773	7/25/2000	FUNCTIONALIZED POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6093854	7/25/2000	A PROCESS FOR PREPARING ALKANOLAMINES FROM POLYOLEFIN
6120654	9/19/2000	PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE
6127480	10/3/2000	DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED

274



6133217	10/17/2000	SOLUBILIZATION OF LOW 2-PHENYL ALKYLBENZENE SULFONATES
6133492	10/17/2000	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
6140416	10/31/2000	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6146574	11/14/2000	ARTICLE MANUFACTURE USING POLYOLEFIN
6156160	12/5/2000	ALKYLENE CARBONATE PROCESS
6159915	12/12/2000	PAINT AND COATING REMOVER
6162776	12/19/2000	PAINT AND COATING REMOVER
6166281	12/26/2000	ALKYLATION OF BENZENE TO FORM LINEAR ALKYLBENZENES
6169061	1/2/2001	PAINT AND COATING REMOVER
6187108	2/13/2001	PROPYLENE CARBONATE BASED UNCURED EPOXY RESIN CLEANERS
6191317	2/20/2001	PROCESS FOR PREPARATION OF POLYALKYL HYDROXYAROMATICS
6210452	4/3/2001	FUEL ADDITIVES
6214914	4/10/2001	POLYETHER MONOAMINE WITH 36- 44 ETHYLENE OXIDE UNITS AND 1-6
6239090	5/29/2001	POLYVINYL PYRROLIDONE AS A THICKENER IN PAINT STRIPPING
6258866	7/10/2001	BLOWING AGENT COMPATIBILIZATION

251

6262297	7/17/2001	PREPARATION OF HYDROXYALKYL CARB AMATES FROM 6- MEMBERED CYCLIC
6294071	9/25/2001	METHODS FOR FORMING COPPER SOLUTIONS
6300505	10/9/2001	METHOD AND APPARATUS FOR IMPROVING THE UNIFORMITY
6306964	10/23/2001	POLYETHER AMINE MODIFICATION OF POLYPROPYLENE
6310174	10/30/2001	PRIMARY ALKANOLAMIDES
6315908	11/13/2001	METHOD FOR TREATMENT OF WASTE WATER
6315964	11/13/2001	PROCESS AND SYSTEM FOR ALKYLATION OF AROMATIC COMPOUNDS
6340559	1/22/2002	SEMICONDUCTOR DEVELOPING AGENT
6369009	4/9 /2002	PAINT AND COATING REMOVER
6376588	4/23/2002	WATER SOLUBLE MOLD RELEASE COMPOSITION FOR ELASTOMERIC
6384240	5/7/2002	PROCESS TO PRODUCE PHOTOCHROMIC GRADE ALKYLENE CARBONATES
6387187	5/14/2002	DECONTAMINATION OF ISOCYANATE FOULED MATERIALS
6387223	5/14/2002	ALKYLENE CARBONATE PROCESS
6395103	5/28/2002	DEGREASING COMPOSITIONS
6399736	6/4/2002	METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS

266

6417135	7/9/2002	ADVANCES IN DEHYDROGENATION CATALYSIS
6420311	7/16/2002	POLYETHER DIAMINE BASED SURFACTANT ADJUVANTS
6420327	7/16/2002	CARBONATE BASED VARNISH REMOVER
6420482	7/16/2002	DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED
6436883	8/20/2002	HYDRAULIC AND GEAR LUBRICANTS

271