

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

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Patent and Trademark Office

Tab settings 0 0 0 ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Huntaran Petrochemical Corporation

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

3. Nature of conveyance:

☐ Assignment☐ Merger☒ Security Agreement☐ Change of Name☐ Other _____

Execution Date: August 16, 2005

2. Name and address of receiving party(ies)

Name: Deutsche Bank AG New York Branch, as agent *Collateral*

Internal Address: _____

Street Address: 51 West 52nd St.

City: New York State: NY ZIP: 10022

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

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 LLP

33rd Floor

Street Address: 35 W. Wacker Dr.

City: Chicago State: IL ZIP: 60601

6. Total number of applications and patents involved: 238

7. Total fee (37 CFR 3.41).....\$ 9,520.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

232428

(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 of the original document.

Laura Konrath

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 11/17/05

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT

REEL: 016987 FRAME: 0496

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Continuation
Item 4

Patents Owned by
Company: Huntsman Petrochemical Corp.
Date of Report: 08AU2005

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tex Dt	Exp Dt
80245	USA		G	27DEC1985	813884	10FEB1987	4642303	10AUG1998	27DEC2005
Title: Catalyst composition									
Client/Division:									
Owner of Record: Huntsman Petrochemical Corp.									
80394	USA		G	01MAY1985	707126	23AUG1988	4766245	23FEB2000	23AUG2005
Title: Process for the preparation of polyoxyalkylene polyamines									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80422	USA		G	31OCT1985	793362	04OCT1988	4775519	04APR2000	31OCT2005
Title: Removal of acid gases from gas streams									
Client/Division: Gas Treating									
Owner of Record: Huntsman Petrochemical Corp.									
80442	USA		G	06NOV1986	927475	10NOV1987	4705814	10MAY1999	06NOV2006
Title: Reaction product of polyoxyalkylene polyamine and an									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80452	USA		G	07FEB1985	699296	01APR1986	4579630	01OCT1997	07FEB2005
Title: BIS(AMINOETHYL) ETHER AND METHOXYETHYL MORPHOLINE SEPARATED									
Client/Division: Morpholine/DEA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
80532	USA		G	03JUL1986	815954	01SEP1987	4691041	01MAY1999	03JUL2006
Title: Process for production of ethylene glycol and dimethyl									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nat Tax Dt	Exp Dt
80578	USA		G	03AU1987	80929	02MY1989	4827038	02MO2000	03AU2007
Title: Bis(diaminopolyalkoxy)-N-alkylamines by amination of									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
80583	USA		G	27MY1986	866576	16JE1987	4673762		27MY2006
Title: Decolorizing ethanolamines with alkylene oxides									
Client/Division: Ethanolamines									
Owner of Record: Huntsman Petrochemical Corp.									
80601-D1	USA	D 01	G	11OC1988	255241	27FE1990	4904711	27AU2001	30JL2007
Title: POLYMER CONCRETE COMPOSITION FOR CEMENTITIOUS ROAD REPAIR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80615-C1	USA	P 01	G	04MY1990	519080	07JL1992	5128441	07JA2004	07JL2009
Title: Block polyamido condensation products									
Client/Division: Polyetheramines SBUs									
Owner of Record: Huntsman Petrochemical Corp.									
80616-C1	USA	P 01	G	04MY1990	519078	24AU1993	5239048	24FE2005	24AU2010
Title: Aromatic polyoxyalkylene amidoamines									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80626	USA		G	10AP1987	36637	30AU1988	4767555	28FE2000	10AP2007
Title: POLYOXYALKYLENE DIAMINES MODIFIED BY GLYCIDYL ETHERS OF									
Client/Division: Resources, Fuel & Lub									
Owner of Record: Huntsman Petrochemical Corp.									
80653	USA		G	27JUL1987	78309	06MR1990	4906774	06SE2001	27JL2007
Title: Process for preparing diamines									
Client/Division: Polyetheramines SBUs									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nat Tax Dt	Exp Dt
80655	USA		G	27JUL1987	78314	02AUI1988	4761465	02FEB2000	27JUL2007
Title: ISOCYANATE CAPPED POLYOXYALKYLENE DIAMINES PREPARED FROM									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80659	USA		G	06NOV1986	927472	22MR1988	4732919	22SEP1999	06NOV2006
Title: Reaction injection molded elastomer made from a									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80663	USA		G	10AP1987	36955	07AP1992	5103062	07OCT2003	07AP2009
Title: LOW-MELTING, WATER-SOLUBLE POLYOXYALKYLENE AMINES PREPARED									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80693-C1	USA		C 01	03OCT1988	252214	02JAL1990	4891086	02JUL2001	16AP2007
Title: STRAND COATING METHOD									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80730	USA		G	03AD1987	80930	02MY1989	4827039	02NOV2000	03AUG2007
Title: Nitrilo(tris)polyoxyalkyleneamines in a reaction injection									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80742	USA		M	03SEP1987	92856	30MY1989	4835241	30NOV2000	23AUG2005
Title: Epoxy coatings using acrylate esters, polyetherpolyamines									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80752-C1	USA		P 01	01OCT1992	955214	06SEP1994	5344996	06MAR2006	18OCT2011
Title: Catalyst removal from alcohol alkoxylates using acid clays									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
80761	USA		G	11AP1988	179827	19DEL1989	4888446	19JUN2001	11AP2008
Title: Preparation of polyoxyalkylene glycol amines									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
80775	USA	G	27FE1991	661142	09JUL1992	5120817	09DEC2003	27FE2011	
Title: EPOXY RESIN CURATIVES: CONDENSATION PRODUCTS OF PHENOL, Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80790	USA	G	16JUL1990	465290	21JUL1992	5082924	21JUL2003	16JUL2010	
Title: Polyamide-ester from polyethylene glycol monoamine and Client/Division: Polyetheramines SHU Owner of Record: Huntsman Petrochemical Corp.									
80822	USA	G	13JUL1988	205754	09JUL1990	4892977	09JUL2001	13JUL2008	
Title: PREPARATION OF MONOTONIC SURFACTANTS BY OXYALKYLATION WITH A Client/Division: Household, I&I Owner of Record: Huntsman Petrochemical Corp.									
80826	USA	G	26SEP1989	412373	23JUL1992	5124426	23DEC2003	26SEP2009	
Title: DI(METHYLTRIO)-TOLUENEDIAMINE AS A CHAIN EXTENDER IN SPRAY Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80827	USA	G	24OCT1988	261193	02JUL1992	5118728	02DEC2003	02JUL2009	
Title: SPRAY POLYUREA ELASTOMERS USING CHOPPED GLASS ROVING Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80844	USA	G	31OCT1988	265081	30JUL1990	4897430	30JUL2001	31OCT2008	
Title: ONE COMPONENT POLYUREA Client/Division: Polyetheramines SHU Owner of Record: Huntsman Petrochemical Corp.									
80853	USA	G	31OCT1989	429672	05FEB1991	4990576	05AUG2002	31OCT2009	
Title: Tetramines by amination of polyoxyalkylene glycols Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80859	USA	G	27FEB1989	316200	07AUG1990	4946933	07FEB2002	27FEB2009	
Title: Elastomeric polyamide hot melt adhesive from low molecular Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0500

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80862-C1	USA	F 01	G	08AP1993	45284	06SEP1994	5344984	06SEP2006	06SEP2011
Title: Method for preparing "twin-tailed" polyoxyalkylene tertiary									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
80875	USA		G	10AP1990	506990	04FEB1992	5086162	04AUG2003	10AP2010
Title: Polyether amide from polyalkylene glycol diamine and diacid									
Client/Division: Polyetheramines SBV									
Owner of Record: Huntsman Petrochemical Corp.									
80876	USA		G	10AP1990	507261	01OCT1991	5053484	01AP2003	10AP2010
Title: POLYETHER AMIDES PREPARED FROM A POLYOXYALKYLENEPOLYAMINE,									
Client/Division: Polyetheramines SBV									
Owner of Record: Huntsman Petrochemical Corp.									
80880	USA		G	11DEC1989	448417	25FEB1992	5091572	25AUG2003	11DEC2009
Title: Amine terminated polyamides									
Client/Division: Polyetheramines SBV									
Owner of Record: Huntsman Petrochemical Corp.									
80884	USA		G	18DEC1989	452146	26MAY1991	5003107	26SEP2002	18DEC2009
Title: CATALYTIC METHOD FOR THE REDUCTIVE AMINATION OF									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80895	USA	M	G	25SEP1989	412027	30NOV1993	5266671	30MAY2005	08JUN2010
Title: CHEMICALLY SIZED MINERAL PARTICLES IN SPRAY POLYUREA									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80891-C2	USA	C 01	G	15DEC1993	166792	02APR1996	5504181	02OCT2007	02APR2013
Title: ALIPHATIC SPRAY POLYUREA ELASTOMERS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80895	USA		G	10AP1990	506989	09JUL1991	5030710	09JAN2003	10AP2010
Title: NYLON-6 MODIFIED WITH TEREPHTHALIC ACID SALT OF									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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PATENT

REEL: 016987 FRAME: 0501

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tex Dt	Exp Dt
80896-1	USA	G	91NO1990	608128	18AU1992	5140097	18FE2004	18FE2004	01NO2010
Title: POLYAMIDES PREPARED FROM DICARBOXYLIC ACIDS, E.G., ADIPIC, Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80904	USA	G	11FE1991	653220	24ME1992	5099073	24SE2003	24SE2003	11FE2011
Title: Catalytic process for the production of diketone derivatives Client/Division: Resources, Fuel & Lub Owner of Record: Huntsman Petrochemical Corp.									
80918	USA	G	10AP1990	506747	24DE1991	5075506	24JE2003	24JE2003	10AP2010
Title: Continuous preparation of secondary amines from nitriles Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
80925	USA	M	G	20DE1989	453733	17SE1991	5049411	17ME2003	27FE2007
Title: POLYMER CONCRETE COMPOSITION WHICH ADHERES TO WET AND DRY Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80931	USA	G	25JE1990	543017	30AP1991	5011926	30OC2002	30OC2002	25JE2010
Title: NICKEL-BASED DUAL CATALYST SYSTEM TO SUPPRESS CARBON DIOXIDE Client/Division: Morpholine/DGA(R) Amine Owner of Record: Huntsman Petrochemical Corp.									
80951	USA	G	21DE1990	631844	25FE1992	5091585	25AU2003	25AU2003	21DE2010
Title: Continuous preparation of tertiary aliphatic methyl amines Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
80983	USA	G	10DE1991	712817	18AU1992	5140090	18FE2004	18FE2004	10JE2011
Title: ALIPHATIC POLYUREAS PREPARED FROM POLYOXYALKYLENEPOLYAMINES, Client/Division: Polyetheramines SBU Owner of Record: Huntsman Petrochemical Corp.									
80986	USA	G	21DE1990	632205	10DE1991	5071980	10JE2003	10JE2003	21DE2010
Title: NICKEL/RUTHENIUM DUAL CATALYST SYSTEMS FOR SELECTIVE Client/Division: Morpholine/DGA(R) Amine Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81005	USA		G	21JAL1992	822803	05JAL1993	5177301	05JUL2004	21JJA2012
Title: Method of separating isobutylene from a C-4 hydrocarbon									
Client/Division: C-4's									
Owner of Record: Huntsman Petrochemical Corp.									
81009	USA		G	08FEL1991	652954	06OCT1992	5153232	06APR2004	08FEB2011
Title: WATER BLOWN POLYUREA FOAMS BASED ON ALIPHATIC PRIMARY									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81027	USA		G	03SEL1991	753502	08SEL1992	5146041	08MR2004	03SEP2011
Title: METHOD OF SEPARATING ISOBUTYLENE FROM A C-4 HYDROCARBON									
Client/Division: C-4's									
Owner of Record: Huntsman Petrochemical Corp.									
81038	USA		G	16OCT1991	777847	08JUL1993	5218005	08DEC2004	16OCT2011
Title: SPRAY POLYUREA ELASTOMERS PREPARED USING LOW MOLECULAR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81044	USA		G	21FEL1992	838990	23FEL1993	5189075	23AUG2004	21FEB2012
Title: POLYUREA ELASTOMERS MADE USING POLYOXYALKYLENE TETRA- OR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81057	USA		G	22JAL1992	824129	28SEL1993	5248756	28MR2005	22JJA2012
Title: Crystallization agent for bisphenol-A polycarbonate									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81059	USA		G	04JUL1991	709931	10NOV1992	5162388	10NY2004	04JUL2011
Title: CYCLOALIPHATIC DIAMINES, N.G., 1,3-DIAMINO CYCLOHEXANE OR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81076	USA		G	03OCT1991	770218	10AUG1993	5235007	10FEB2005	03OCT2011
Title: Epoxy curing agents									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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PATENT

REEL: 016987 FRAME: 0503

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
81088	USA		G	31AU2000	652437	07JA2003	6503891	07JL2006	31AU2020
Title: WATER EMULSIFIABLE FORMULATIONS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81091	USA		G	15OC1991	776014	23AP2002	6376588	23OC2005	23AP2019
Title: WATER SOLUBLE MOLD RELEASE COMPOSITION FOR ELASTOMERIC									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81104	USA		G	07JL1993	87093	09MY1995	5414087	09NO2006	07JL2013
Title: Preparation of N-alkylpiperazines									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81108	USA		G	29JE1992	905699	19OC1993	5254668	19AP2005	29JUN2012
Title: POLY(AMIDE-ETHER-AMIDE) ABA TRIBLOCK COPOLYMERS PREPARED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81125-C1	USA		P O1	G 19MR1993	34195	16NO1993	5262551	16MY2005	20AP2012
Title: PROCESS FOR ETHYLENE EPOXIDATION									
Client/Division: Oxides									
Owner of Record: Huntsman Petrochemical Corp.									
81143	USA		G	23NO1992	979737	29MR1994	5298618	29SE2005	23NO2012
Title: Macrocyclic oxamides									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81150	USA		G	13AU1992	928582	22FEL1994	5288873	22AU2005	13AU2012
Title: AMINATED ALKOXYLATED IMIDAZOLIDONES									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81161	USA		G	19MR1992	855357	23FEL1993	5189073	23AU2004	19MR2012
Title: PROCESS FOR THE PRODUCTION OF EXPANDED MATERIALS BASED ON									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0504

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81188	USA	G	13AUI992	928583	05OC1993	5250632	05AP2005	13AUI2012	
Title:HEXID-CONTAINING POLYETHERAMINE CURATIVE FOR FLEXIBLE, Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81208	USA	G	09AP1993	44424	04JA1994	5276215	04JL2005	09AP2013	
Title:ALKYLPHENOLS PREPARED FROM PHENOL AND CORRESPONDING OLEFINS Client/Division: LAB (Linear Alkyl Benzene) Owner of Record: Huntsman Petrochemical Corp.									
81210	USA	G	12AP1993	45150	31MY1994	5317076	30NO2005	12AP2013	
Title:SPRAY POLYUREA ELASTOMERS BASED ON AN AMINATED 1,2-BUTYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81225	USA	G	19JUL1993	93568	23AUI1994	5340889	23FE2006	19JUL2013	
Title:Liquidization of bis-carbonates of bis-glycidyl ethers Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81242-C1	USA	F 03	G	16AUI1995	515706	24FE1998	24AUI2005	13JUL2013	
Title:POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2	USA	P	G	08JUL1996	676947	28SE1999	28ME2007	13JUL2013	
Title:POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2-CON	USA	C	G	03AUI1999	368042	10AP2001	10OC2008	13JUL2013	
Title:POLYETHER MONOAMINE WITH 36-44 ETHYLENE OXIDE UNITS AND 1-6 Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2-CON2	USA	D	G	06FE2001	777763	15OC2002	15AP2006	13JUL2013	
Title:POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0505

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
81242-C3	USA	P	G	12JUL1996	679070	29FEB2000	6031048	29AUG2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C4	USA	P	G	23APR1997	838970	16NOV1999	5985999	16MAY2007	13JUL2013
Title: DYABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C4-CON	USA	P	G	19OCT1999	421085	03OCT2000	6127480	03APR2008	13JUL2013
Title: DYABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C4-CON-2	USA	C	G	26SEP2000	669702	16JUL2002	6420482	16JUL2006	13JUL2013
Title: DYABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C5	USA	G	G	12MAY1998	076209	25JUL2000	6093496	25JUL2008	13JUL2013
Title: POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED FUNCTIONALIZED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C1	USA	P	G	07JUL1995	499521	21JUL1998	5783630	21JUL2006	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C2	USA	C	G	03NOV1997	962788	13OCT1999	5965667	12APR2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C3	USA	C	G	03AUG1999	368041	31OCT2000	6140416	30APR2008	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0506

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81242-D2	USA	D 04	G	03NO1997	962785	24AUG1999	5942576	24FEB2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D3-CON	USA	C 04	G	03AUG1999	368033	25JUL2000	6093773	25JUL2008	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81247	USA	G	01AP1993	41104		28JUN1994	5324812	28DEC2005	01AP2013
Title: WATER SOLUBLE POLYAMIDES PREPARED FROM DIMER ACIDS AND									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81266	USA	G	12JUL1995	372049		18MAY1997	5612305	18SEP2008	12JUL2015
Title: LOW FOAM SURFACTANT SYSTEM OBTAINED BY MIXING AN UNCAPPED									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81267-C1	USA	F	G	27DEC1995	579473	01AP1997	5616677	01OCT2008	24JUN2014
Title: PREPARATION OF SPRAYABLE ALIPHATIC POLYUREA ELASTOMERS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81275	USA	G	05JUN1997	869385		02JUN1998	5759695	02DEC2005	05JUN2017
Title: POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION TO									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81275-C1	USA	C	G	03AP1998	054979	05OCT1999	5962144	05AP2007	05JUN2017
Title: POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION TO									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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81283	USA		G	16MY1996	648917	16SE1997	5668217	16ME2009	16MY2016
Title: ANIDOMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81301	USA		G	01JEL1994	252031	15AUL1995	5442034	15FE2007	01JFE2014
Title: ALIPHATIC SPRAY POLYUREA ELASTOMERS CONTAINING ORGANIC									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81312	USA		G	10JAL1994	178720	21MY1996	5519154	21NO2007	10JAL2014
Title: POLYETHER SULFONATES AND THEIR SURFACTANT DERIVATIVES									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
81313-D1	USA	D	G	23OC1997	956960	05OC1999	5962748	05AP2007	04NO2016
Title: PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81323-C1	USA	F	G	18JEL1996	665989	08JUL1997	5646235	08JAL2009	27ME2015
Title: REDUCTIVE ALKYLATION OF POLYAMINES									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81324-D1	USA	D	G	29JAL1997	790391	02MY2000	6057443	02MO2007	31ME2015
Title: DIMORPHOLINOTETRAHYDROETHYLENE HAVING IMPROVED ISOCYANATE STABILITY									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81327	USA		G	30DE1994	368857	27FE1996	3494595	27AUL2007	30DE2014
Title: OIL SOLUBLE POLYETHERS									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81340	USA		G	08FE1996	598692	08DE1998	5847254	08JEL2006	08FE2016
Title: ALKYLATION OF BENZENE TO FORM LINEAR ALKYL BENZENES USING									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81342	USA	G	16AP1996	632825	24MR1998	5731397	24MR2005	16AP2016	
Title: POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81342-C1	USA	C	17MR1998	040120	05OC1999	5962618	05AP2007	16AP2016	
Title: POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81343	USA	G	08FE1996	598695	23JE1998	5770782	23DE2005	08FE2016	
Title: PROCESS AND SYSTEM FOR ACRYLATION OF AROMATIC COMPOUNDS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81343-D1	USA	D	20JE1997	879745	13NO2001	6315964	13MY2005	08FE2016	
Title: PROCESS AND SYSTEM FOR ACRYLATION OF AROMATIC COMPOUNDS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81375	USA	G	28OC1985	791655	30DE1986	4632915	30JE1998	28OC2005	
Title: IRON/LITHIUM-PROMOTED CATALYSTS FOR THE PRODUCTION OF MALEIC									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81377	USA	G	28OC1985	791977	02JE1987	4670418		28OC2005	
Title: PROCESS FOR THE PREPARATION OF IRON/LITHIUM-PROMOTED									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81378	USA	G	19JA1988	145795	08AU1989	4855459	08FE2001	19JA2008	
Title: PROCESS FOR THE PRODUCTION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81379	USA	G	27JM1991	722070	11AU1992	5137860	11FE2004	27JE2011	
Title: PROCESS FOR THE TRANSFORMATION OF VANADIUM/PHOSPHORUS MIXED									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tex Dt	Exp Dt
81380-C1	USA	P	G	20DE1991	812523	01DE1992	5168090	01JUN2004	04OC2010
Title: SHAPED OXIDATION CATALYST STRUCTURES FOR THE PRODUCTION OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81381	USA		G	18FE1992	836434	09FE1993	5185455	09AUG2004	18FE2012
Title: METHOD FOR IMPROVING THE PERFORMANCE OF VPO CATALYSTS									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81382	USA		G	28JUL1991	722785	09FE1993	5185485	09AUG2004	28JUL2011
Title: PROCESS FOR PREPARING ALKYLENE									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81383	USA		G	22MY1992	887254	04JUL1994	5275996	04JUL2005	22MY2012
Title: PHOSPHOROUS/VANADIUM OXIDE CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81384-C1	USA		C	24JUL1992	919628	28JUL1994	5324880	28DEC2005	28JUL2011
Title: PROCESS FOR DEHYDROGENATION OF PARAFFIN									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81385	USA	M	G	08DE1992	986652	15NO1994	5364824	15NOV2006	11AUG2009
Title: CATALYSTS FOR THE PRODUCTION OF MALEIC ANHYDRIDE CONTAINING									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81388-D1	USA	D	G	10AP1998	058029	21DE1999	6005121	21JUN2007	08JUL2011
Title: HIGH PRODUCTIVITY PROCESS FOR THE PRODUCTION OF MALEIC									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81395	USA		G	13FE1992	835152	31MR1998	5734065	30SEP2005	31MR2015
Title: ASSESSMENT OF AUTOIGNITION CONDITIONS AND SUPPRESSION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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81396	USA	G	15SE1994	306489	24JUL1997	5641722	24DEC2008	15SE2014	
Title: IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81396-C1	USA	C	G	09DE1996	775938	30JUL1998	5773382	30DEC2005	15SE2014
Title: IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81397	USA	G	03FE1995	383000	01AP1997	5617208	01OC2008	03FE2015	
Title: IGNITION DETECTION METHOD AND DEVICE FOR A REACTION VESSEL									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81398	USA	G	20MR1995	406674	20MY1997	5631387	20NO2008	20MR2015	
Title: PROCESS AND APPARATUS FOR THE PREPARATION AND RECOVERY OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81399-D1	USA	D	G	12AUL1997	909638	27JUL1999	5929256	27JAN2007	02OC2015
Title: MOLYBDENUM MODIFIED VANADIUM-PHOSPHOROUS OXIDE CATALYSTS FOR									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400	USA	G	13JAN1998	006132	26OCT1999	5972174	26AP2007	13JAN2018	
Title: PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400-D1	USA	D	G	19MR1999	273006	19SE2000	6120634	19MR2008	13JAN2018
Title: PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400-D2	USA	D	G	19MR1999	273173	18JUL2003	6090245	18JAN2008	13JAN2018
Title: PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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Decklet No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81417	USA	P	G	12JUL1996	662786	07JUL1998	5777187	07JUL2006	08FEB2016
Title: TWO STEP PROCESS FOR ACRYLATION OF BENZENE TO FORM LINEAR									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81421-C1	USA	X	G	30SEP1996	720587	19JUL1999	5861051	19JUL2006	06MAR2016
Title: PROCESS FOR REMOVING CARBON DIOXIDE FROM GAS MIXTURE									
Client/Division: Gas Treating									
Owner of Record: Huntsman Petrochemical Corp.									
81422	USA		G	23MAY1997	862586	21JUL1998	5782938	21JUL2006	23MAY2017
Title: FUEL COMPOSITION									
Client/Division: Resources, Fuel & Lubr									
Owner of Record: Huntsman Petrochemical Corp.									
81426-C1	USA	X	G	11MR1997	815154	11JUL2000	6013755	11JUL2007	11MR2017
Title: A METHOD OF PREPARING AN ALIPHATIC POLYUREA SPRAY ELASTOMER									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81426-C2	USA	P	G	11JUL2000	481245	04JUL2002	6399736	04DEC2005	11MR2017
Title: METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81426-C3	USA	C	G	14JUL2002	10/046936	12AUG2003	6605684	12FEB2007	11MR2017
Title: METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81437	USA		G	29JUL1997	902817	15JUL1999	5912382	15DEC2006	29JUL2017
Title: HYDROXYALKYL CARBAMATE COMPOSITIONS AND PROCESSES FOR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81445	USA		G	22MAY1998	083402	21MR2000	6040284	21SEP2007	22MAY2018
Title: Paint coatings remover comprising propylene carbonate and									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tak Dt	Exp Dt
81445-C1	USA	C	G	120C1999	417137	19DE2000	6162776	19JE2008	23MY2017
Title: PAINT AND COATING REMOVER									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81447	USA	G	G	09JE1998	094247	14NO2000	6146574	14MY2008	13JUL2013
Title: ARTICLE MANUFACTURE USING POLYOLEFIN CONTAINING									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
81453	USA	G	G	21AU1998	138134	13JE2000	6075168	13DE2007	21AU2018
Title: SELECTIVE PRODUCTION OF DIETHANOLAMINE									
Client/Division: Ethanolamines									
Owner of Record: Huntsman Petrochemical Corp.									
81454	USA	G	G	08SE1998	149322	16MY2000	6063965	16NO2007	08SE2018
Title: PRODUCTION OF DIETHANOLAMINE									
Client/Division: Ethanolamines									
Owner of Record: Huntsman Petrochemical Corp.									
81456	USA	G	G	18NO1997	968172	02MR1999	5877331	02SE2006	18NO2017
Title: PREVENTION OF CATALYST ATTRITION AND TAR FORMATION IN									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81456-D1	USA	D	G	25FE1999	257633	04AP2000	6046343	04OC2007	18NO2017
Title: PREVENTION OF CATALYST ATTRITION AND TAR FORMATION IN									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81457	USA	G	G	23JUL1998	121773	05OC1999	5952699	05AP2007	23JUL2018
Title: PROCESS FOR DECOLORIZING ORGANIC CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81462	USA	G	G	28AU1998	143177	04JUL2000	6083897	04JA2008	28AU2018
Title: SOLUBILIZATION OF LOW 2-PHENYL ALKYLENE SULFONATES									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									

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81468	USA	P	G	190C1998	175078	26DE2000	6166281	26JUN2008	20JUN2017
Title:ALKYLATION OF BENZENE TO FORM LINEAR ALKYLAROMATICS USING									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81470	USA	G	G	070C1998	167361	05JUN2000	6156160	05JUN2008	070C2018
Title:ALKYLENE CARBONATE PROCESS									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81470-C1	USA	P	G	070C2000	707674	14MY2002	6387223	14NOV2005	05DEC2020
Title:ALKYLENE CARBONATE PROCESS									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81475	USA	P	G	190C1998	174891	170C2000	6133492	17APR2008	20JUN2017
Title:ALKYLATION OF BENZENE TO FORM LINEAR ALKYLAROMATICS USING									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81476	USA	G	G	140C1999	418886	25JUL2000	6093854	25JUN2008	140C2019
Title:A PROCESS FOR PREPARING ALKANOLAMINES FROM POLYOLEFIN									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81481	USA	G	G	07JUN2000	479435	09SEP2003	6617303	09SEP2007	07JUN2020
Title:SURFACTANT COMPOSITIONS CONTAINING ALKOXYLATED AMINES									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81482	USA	G	G	10JUN2000	480836	15JUL2003	6593495	15JUN2007	18JUN2020
Title:ANHYDRIDE STABILIZATION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81482-C1	USA	P	G	20AUG2002	10/224050	04MY2004	6730810	04NOV2007	10JUN2020
Title:ANHYDRIDE STABILIZATION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81482-D1	USA	D	G	20AU2002	10/223990	05AU2003	6603042	05FEB2007	10JAN2020
Title: ANHYDRIDE STABILIZATION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81484	USA		G	31JAN2000	494365	10JUL2001	6258866	10JAN2009	31JAN2020
Title: BLOWING AGENT COMPATIBILIZATION									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81486-3	USA		F	17AU2000	640834				
Title: MANNICH CONDENSATE BASED SURFACTANT ADJUVANTS AND									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81486-6	USA		G	17AU2000	641228	16JUL2002	6420311	16JAN2006	17AU2020
Title: POLYETHER DIAMINE BASED SURFACTANT ADJUVANTS AND									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81487-C1	USA		F	20AU2002	10/223980	15JUN2004	6750374	25DEC2007	10AU2019
Title: MANUFACTURE OF CYCLOHEXANE FROM BENZENE AND A HYDROGEN									
Client/Division: C-4's									
Owner of Record: Huntsman Petrochemical Corp.									
81488	USA	2	F	30JUL2003	10/630121				
Title: ANION CATALYST SYSTEM FOR FOAMS									
Client/Division: Urethane Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81491	USA		G	30AP1999	303170	09MY2000	6060625	09NOV2007	30AP2019
Title: PROCESS FOR THE PRODUCTION OF ETHERAMINE ALKOXYLATES									
Client/Division: Resources, Fuel & Lub									
Owner of Record: Huntsman Petrochemical Corp.									
81497	USA		G	08MY2000	565421	09OCT2001	6300505	09AP2009	08MY2020
Title: METHOD AND APPARATUS FOR IMPROVING THE UNIFORMITY OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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81500	USA		G	04NOV1999	434872	13FEB2001	6187108	13AUG2008	04NOV2019
Title: Alkylene carbonate based cleaners Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81501	USA	P	G	01SEP2000	654439	12NOV2002	6479445	12MAY2006	23MAY2017
Title: PAINT STRIPPING COMPOSITIONS Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81501-D1	USA	D	G	20AUG2002	10/223867	21DEC2004	6833341	21JUL2008	01SEP2020
Title: PAINT STRIPPING COMPOSITIONS Client/Division: Licensing Group Owner of Record: Huntsman Petrochemical Corp.									
81502	USA	P	G	18JUL1999	335596	02JAN2001	6169061	02JUL2008	19APR2019
Title: PAINT AND COATING REMOVER Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81502-D1	USA	P	G	28NOV2000	724012	09APR2002	6365909	09OCT2005	19APR2019
Title: PAINT AND COATING REMOVER Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81502-D1C1	USA	P	G	01FEB2002	10/061565	01JUL2003	6536380	01JAN2007	19APR2019
Title: PAINT AND COATING REMOVER Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81503-C1	USA	P	G	11DEC2001	10/015064	22APR2003	6552121	23OCT2006	16AUG2020
Title: ALKALI-SILICATE POLYISOCYANATE COMPOSITES Client/Division: Specialty Amines & Urethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81506	USA	G	G	28APR2000	560229	30OCT2001	6310174	30APR2009	28APR2020
Title: PRIMARY ALKANOLAMIDES Client/Division: Morpholine/DGA(R) Amine Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81506-D1	USA	D	G	24SE2001	961389	04FE2003	6514190	04AU2006	30AP2019
Title: PRIMARY ALKAMOLAMIDES									
Client/Division: Morpholine/DGA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
81522	USA		G	18JE1999	335597	12DE2000	6159915	12JE2008	18JE2019
Title: PAINT AND COATING REMOVER									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81522-C1	USA	C	G	01NO2000	704001	19NO2002	6482270	19MY2006	18JE2019
Title: PAINT AND COATING REMOVER									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81524	USA		G	31AU1999	386870	20FE2001	6191317	20AU2008	31AU2019
Title: PROCESS FOR PREPARATION OF POLYALKYL HYDROXYAROMATICS									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81525	USA		G	07JA2000	479434	25SE2001	6294071	25ME2009	07JA2020
Title: METHODS FOR FORMING COPPER SOLUTIONS									
Client/Division: Performance Intermediates									
Owner of Record: Huntsman Petrochemical Corp.									
81527	USA		G	22MR2000	533278	09JL2002	6417135	09JA2006	27AU2019
Title: ADVANCES IN DEHYDROGENATION CATALYSIS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81527-D1	USA	D	G	07MY2002	16/140178	02MR2004	6700028	02SE2007	22MR2020
Title: ADVANCES IN DEHYDROGENATION CATALYSIS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81530	USA	P	G	09MR2000	521502	07MY2002	6384240	07NO2005	07OC2018
Title: PROCESS TO PRODUCE PHOTOCROMIC GRADE ALKYLENE CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									

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Huntsman Petrochemical Corporation

PATENT

REEL: 016987 FRAME: 0517

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81530-C2	USA	P	G	26FE2002	10/083230	05NO2002	6476237	05MY2006	07OC2018
Title: PURIFICATION OF ALKYLENE CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81530-D1	USA	D	G	08FE2002	10/071169	01OC2002	6458969	01AP2006	07OC2018
Title: Process for the purification of alkylene carbonate									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81534-C1	USA	C	G	18JE2002	10/175535	03MY2005	6887830	03NO2008	
Title: SURFACTANT ADJUVANTS USEFUL IN HERBICIDE COMPOSITIONS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81535	USA	P	G	01SE2000	654438	28NY2002	6395103	28NO2005	18JE2019
Title: DEGREASING COMPOSITIONS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81535-D1	USA	D	G	01FE2002	10/061536	21DE2004	6833345	21JF2008	18JE2019
Title: DEGREASING COMPOSITIONS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81536	USA	G	G	26SE2000	669982	15AP2003	6548726	15OC2006	26SE2020
Title: REMOVAL OF DEHA FROM A BUTADIENE STREAM									
Client/Division: C-4's									
Owner of Record: Huntsman Petrochemical Corp.									
81537	USA	G	G	08FE2000	500175	03AP2001	6210452	03OC2008	08FE2020
Title: FUEL ADDITIVES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81539	USA	P	G	26AP2000	559841	13MY2003	6562775	13NO2006	28JA2020
Title: SOLID ALKYLENE SULFONATES AND CLEANING COMPOSITIONS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									

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Huntsman Petrochemical Corporation

PATENT

REEL: 016987 FRAME: 0518

Docket No.	Chy	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81539-C1	USA	P	G	19FE2003	10/370144	03MY2005	6887839	03NO2008	
Title: SOLID ALKYL BENZENE SULFONATES AND CLEANING COMPOSITIONS Client/Division: LAB (Linear Alkyl Benzene) Owner of Record: Huntsman Petrochemical Corp.									
81541	USA		G	09AU2000	634374	16JUL2002	6420327	16JUL2006	09AUG2020
Title: CARBONATE BASED COATING REMOVER Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81544-C1	USA	P	G	05SE2001	946313	05NO2002	6475708	05MY2006	29JUL2020
Title: ALTERNATIVE PHOTORESIST STRIPPING SOLUTIONS Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81544-D1	USA	D	G	06JUL2002	10/164793	01JUL2003	6586164	01JUL2007	29JUL2020
Title: ALTERNATIVE PHOTORESIST STRIPPING COMPOSITIONS Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81545	USA		G	29DE2000	752118	04FE2003	6515145	04AUG2006	29DEC2020
Title: PROCESS FOR THE PRODUCTION OF HIGH MELTING CARBONATES Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81546	USA	P	G	14JUL2000	616568	07OCT2003	5630430	07AP2007	08FEB2016
Title: FUEL AND OIL DETERGENTS Client/Division: LAB (Linear Alkyl Benzene) Owner of Record: Huntsman Petrochemical Corp.									
81564-D1	USA	D	G	23MY2001	863558	23MAR2004	6710203	23SE2007	25SEP2020
Title: PREPARATION OF HYDROXYALKYL CARBAMATES FROM 6-MEMBERED CYCLIC Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81565	USA		G	28NO2000	723870	15AP2003	6548454	15OCT2006	28NOV2020
Title: PAINT STRIPPER FOR AIRCRAFT AND OTHER MULTICOAT SYSTEMS Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									

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Huntsman Petrochemical Corporation

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REEL: 016987 FRAME: 0519

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81566	USA	G	25SE2000	668961	22JUL2003	6596677	22JAN2007	25SE2020	
Title: CLEANING COMPOSITIONS FOR HARD SURFACES (Amended)									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81567	USA	G	10MR1989	321981	08OCT1991	5055231	08APR2003	10MR2009	
Title: REACTION PRODUCTS OF BORIC ACID AND ALKANOLETHERSAMINES AND									
Client/Division: Morpholine/DGA(R) amine									
Owner of Record: Huntsman Petrochemical Corp.									
81568	USA	F	19SE2000	09/665642					
Title: ALKYL TOLUENE SULFONATE DETERGENTS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81570	USA	G	05JAN2001	754867	05AUG2003	6602839	05FEB2007	05JAN2021	
Title: ADVANCED SULFOSUCINAMATE SURFACTANTS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81571	USA	G	05SE2001	946312	24DEC2002	6498278	24JUN2006	05SE2021	
Title: ALKOXYLATION OF 6-MEMBERED ALKYLENE CARBONATES									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81572	USA	G	30MR2001	822914	30SEP2003	6627761	30MR2007	30SEP2021	
Title: MULTIFUNCTIONAL CARBONATES AND DERIVATIVES									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81573-C1	USA	F	13FEB2003	10/365770					
Title: STYRENE COPOLYMERS COMBINED WITH METALLIC SPECIES IN									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81574	USA	G	19JAN2001	766480	03DEC2002	6488808	03JUN2006	19JAN2021	
Title: STYRENE COPOLYMERS IN DE-INKING									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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Huntsman Petrochemical Corporation

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REEL: 016987 FRAME: 0520

Docket No.	Chry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81574-D1	USA	D	G	06JUN2002	10/164037	19NOV2002	6482292	19MY2006	19JAN2021
Title: STYRENE COPOLYMERS IN DE-INKING									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81575	USA		G	21FEB2001	789654	22JUL2002	6340559	22JUL2005	21FEB2021
Title: SEMICONDUCTOR DEVELOPING AGENT									
Client/Division: Electronics									
Owner of Record: Huntsman Petrochemical Corp.									
81579	USA	F	F	26MAR2002	10/741783				
Title: ALKYLENE CARBONATE ADJUVANTS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81581	USA		G	06APR2001	827526	20AUG2002	6436883	20FEB2006	06APR2021
Title: HYDRAULIC AND GEAR LUBRICANTS									
Client/Division: Resources, Fuel & Lub									
Owner of Record: Huntsman Petrochemical Corp.									
81582	USA		G	26APR2001	843330	19AUG2003	6508012	19FEB2007	26APR2021
Title: PROCESS TO REMOVE PAINT AND PRIMER COATINGS FROM									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81583	USA		G	22APR2002	10/127286	06JAN2004	6573212	06JUL2007	22APR2022
Title: POLYMERIZATION-INHIBITED DISTILLATION									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81584	USA		G	26APR2001	842451	09MAR2004	6703033	09SEP2007	26APR2021
Title: ADVANCES IN TOWNETTES									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81587	USA	F	F	31MY2002	10/476964				
Title: ADJUVANT COMPOSITIONS AND PESTICIDES									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Next Tax Dt	Exp Dt
81588	USA		G	07JA2002	10/038462	01OC2002	6458860	01AP2006	07JA2022
Title: ADVANCES IN URETHANE FOAM CATALYSIS									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81590	USA		G	10SE2001	950133	18NR2003	6534555	18SE2006	10SE2021
Title: CATALYST SYSTEMS FOR POLYURETHANE POLYESTER FOAMS									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81591	USA		F	11JE2002	10/479403				
Title: SYNERGISTIC AMINE CHAIN EXTENDERS IN POLYUREA SPRAY									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81593	USA		G	10SE2001	950147	12NO2002	6479593	12MY2006	10SE2021
Title: ABSORBENT POLYMER MODIFICATION									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81595	USA		G	17SE2001	953776	17DE2002	6495722	17JE2006	17SE2021
Title: MANNICH POLYOLS FOR RIGID SPRAY FOAMS									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
81598	USA		G	22OC2002	10/277551	03MY2005	6888030	03NO2008	22OC2022
Title: ADVANCES IN AMINATION									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81599	USA		F	07MO2002	10/289643				
Title: DRILLING FLUIDS									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
81600	USA		F	22NO2002	10/496899				
Title: SULFOSUCCINATE SURFACTANTS AS DEPOSITION INHIBITORS									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0522

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81601	USA		F	18AP2002	10/124925				
Title: ADVANCES IN AMINATION CATALYSTS									
Client/Division: Morpholine/DGA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
81603	USA		F	18JUL2002	10/521102				
Title: CATALYST COMBINATIONS FOR INCREASING TRIMER CONTENT IN FOAM									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81605	USA		F	08AP2003	10/408883				
Title: AMINE BLEND ACCELERATORS FOR POLYALKYLENEPOLYAMINE CURED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81607	USA		F	06JUL2003	10/456655				
Title: COLOR STABILIZATION OF AMINES									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81608-C1	USA		F	18JUL2003	10/623293				
Title: PREPARATION OF SECONDARY AMINES									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81610	USA		F	29AUG2003	10/524247				
Title: POLYETHER POLYAMINE AGENTS AND MIXTURES THEREFOR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81611	USA		F	03OCT2002	10/263547				
Title: ALKYLENE DETERGENTS WITH HIGH 2-ISOMER CONTENT									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81616-C1	USA		F	15DEC2004	11/013079				
Title: PAPER PRODUCTS SOFTENING PROCESS USING AMPHOTERIC									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0523

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81617	USA		F	02DE2003	10/535725				
Title: IMPROVED MOLDED FOAMS									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81620	USA		F	26FE2003	10/374457				
Title: Chemical Softening Compositions for Paper Products									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81622	USA		F	03MY2004	10/838136				
Title: Heat Activated Tertiary Amine Urethane Catalysts									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81623-B1	USA		D	26AU2004	10/927204				
Title: Alkanolamine Polymer Salt Additive for Creeping of Fibrous									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81625	USA		F	03MR2004	10/791946				
Title: Display Methods for Liquids Having Optical Effects									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81632	USA		G	09MY2003	10/435525	01FE2005	6849588	01AU2008	09MY2023
Title: Structured Liquids Made Using LAB Sulfonates of Varied									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81633	USA		G	20MY2004	10/850249	15FE2005	6855795	15AU2008	20MY2024
Title: Catalyst Removal Process									
Client/Division: Process Additives									
Owner of Record: Huntsman Petrochemical Corp.									
81637	USA		F	15SE2004	10/941298				
Title: Catalysts useful in polyurethane foam									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									

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Huntsman Petrochemical Corporation

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REEL: 016987 FRAME: 0524

Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Net Tax Dt	Exp Dt
81649	USA		F	03MY2004	10/838160				
Title: OSB Boards Prepared by using an Isocyanate and a Heat									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81655	USA	L	F	11AU2004	60/600598				11AU2005
Title: Improved Cure Rebond Binder									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81655-2	USA	L	F	08SE2004	60/607736				08SE2005
Title: Improved Cure Rebond Binder									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81656	USA	L	F	23AU2004	60/603656				23AU2005
Title: Anti-Perspirant Compositions with Improved Properties									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81656-2	USA	L	F	08SE2004	60/607956				08SE2005
Title: Anti-Perspirant Compositions with Improved Properties									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81657	USA	L	F	26AU2004	60/604656				26AU2005
Title: Alkaline Earth Metal Salts of Unsaturated Fatty Acid									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81659	USA	L	F	04OC2004	60/615705				04OC2005
Title: High Load Glyphosate Formulations									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81660	USA	L	F	12OC2004	60/617827				12OC2005
Title: Soap Bars with Improved Properties									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0525

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81661	USA	L	F	25OC2004	60/621892				25OC2005
Title: Fuel and Oil Detergents									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81662	USA	L	F	16DE2004	60/636759				16DE2005
Title: Co-Production of Cyclohexylamine and									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81664	USA	L	F	10MR2005	60/660285				10MR2006
Title: Enhanced Solubilization using Extended Chain Surfactants									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81669	USA	L	F	14AP2005	60/671127				14AP2006
Title: Alkylbenzenes and Bottoms Products as Solvent Replacement in									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
92017	USA		G	08FE1993	14583	04OC1994	5352835	04AP2006	08FE2013
Title: SUPPORTED CATALYSTS FOR AMINATION									
Client/Division: Morpholine/DGA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
HC-003C1C1	USA	P	01	G	17AU1988	15MY1990	4925988	15NO2001	15MY2007
Title: Low foaming surfactant									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
HC-007C1	USA	P	01	G	06AU1990	27JUL1999	5929183	27JA2007	27JUL2016
Title: POLYFUNCTIONAL POLYMERS USED AS DRINKING AGENTS.									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
HC-007C1D1	USA	D	01	G	27NO1991	13SE1995	5449725	12MR2007	12SE2012
Title: POLYFUNCTIONAL POLYMERS USED AS DRINKING AGENTS.									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0526

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Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80891-C1	USA	F 01	G	07SE1993	117962	02JAL1996	5480955	02JUL2007	02JAL2013
Title: ALIPHATIC SPRAY POLYUREA ELASTOMERS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Corporation									
81399	USA	X	G	02OC1995	538005	31AUL1999	5945368	28FEB2007	02OC2015
Title: MOLYBDENUM MODIFIED VANADIUM-PHOSPHATE OXIDE CATALYSTS FOR									
Client/Division: Maleic anhydride									
Owner of Record: Huntsman Corporation									

*Last Page
Continuation
Item 7*

60966
Huntsman Petrochemical Corporation

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 500 Huntsman Way, Salt Lake City, UT 84108, hereby grants to Deutsche Bank AG New York Branch, as Collateral Agent, with principal offices at 31 West 52nd 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 Collateral 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.

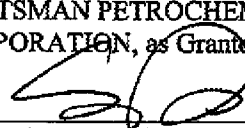
THIS GRANT is made to secure the full and prompt performance and payment of all the Obligations of the Grantor, as such term is defined in the Collateral Security Agreement between the Grantor, the other assignors party thereto and the Grantee, dated as of August 16, 2005 (as amended, restated, supplemented or otherwise modified from time to time, the "Collateral Security Agreement"). Upon the occurrence of the Termination Date (as defined in the Collateral 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 Collateral Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are more fully set forth in the Collateral 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 Collateral Security Agreement, the provisions of the Collateral Security Agreement shall govern.

[signature page follows]

IN WITNESS WHEREOF, the undersigned have executed this Grant of Security Interest as of the 6th day of August, 2005.

HUNTSMAN PETROCHEMICAL
CORPORATION, as Grantor

By: 
Name: Sean Douglas
Title: Vice President

DEUTSCHE BANK AG NEW YORK BRANCH,
as Grantee

By: _____
Name: _____
Title: _____

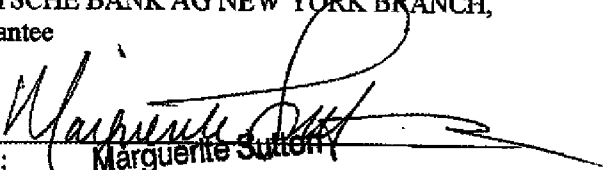
[Signature Page to Grant of Security Interest in Trademarks and Patents (Huntsman Petrochemical Corporation)]

IN WITNESS WHEREOF, the undersigned have executed this Grant of Security Interest as of the 10th day of August, 2005.

HUNTSMAN PETROCHEMICAL
CORPORATION, as Grantor

By: _____
Name: Sean Douglas
Title: Vice President

DEUTSCHE BANK AG NEW YORK BRANCH,
as Grantee

By:  _____
Name: Marguerite Sutton
Title: Director

[Signature Page to Grant of Security Interest in Trademarks and Patents (Huntsman Petrochemical Corporation)]

Schedule A

U.S. Trademark Registration

Registered Mark

Registration No.

Registration Date

CHI:1569280.1

PATENT
REEL: 016987 FRAME: 0531

Trademarks For Owner: Huntsman Petrochemical Corp.
Date of Report: 08AU2005

Docket No. Ctry Types Status Cur App Dt Curr App No Curr Reg D Curr Reg No Renewal
Expires

1596 TM USA Registered 19AU1994 74/563164 08JUL1997 2077844 08JUL2007
Attorney:PBL Client/Division: PERF Agent: Class & Type: IN 1
Mark: JEFFSOL CARBONATE AND PROPYLENE CARBONATE, FOR USE Goods:ORGANIC CARBONATES, NAMELY, ETHYLENE
1597 TM USA Registered 19AU1994 74/563859 18MR1997 2046303 18MR2007
Attorney:PBL Client/Division: PERF Agent: Class & Type: IN 1
Mark: JEFFCAT FOAMS, RIGID FOAMS, COATINGS, ELASTOMERS Goods:CATALYSTS FOR THE MANUFACTURE OF FLEXIBLE
1598 TM USA Registered 19AU1994 74/563006 31DE1996 2027525 31DE2006
Attorney:PBL Client/Division: PERF Agent: Class & Type: IN 1
Mark: JEFFCOOL WIDE VARIETY OF INDUSTRIAL USES, Goods:ANTI-FREEZE, HEAT TRANSFER FLUIDS FOR USE IN A
1600 TM USA Registered 19AU1994 74/563163 04FE1997 2035971 04FE2007
Attorney:PBL Client/Division: PERF Agent: Class & Type: IN 1
Mark: JEFFTREAT CONTAMINANTS FROM NON-LIQUID GAS Goods:CHEMICAL AGENTS FOR REMOVAL OF UNWANTED
1601 TM USA Registered 19AU1994 74/563165 30DE1997 2125922 30DE2007
Attorney:PBL Client/Division: PERF Agent: Class & Type: IN 1
Mark: JEFF CARBONATE AND PROPYLENE CARBONATE, FOR USE Goods:ORGANIC CARBONATES, NAMELY, ETHYLENE

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Docket No. Expires	Ctry	Type	Status	Curr App Dt	Curr App No	Curr Reg D	Curr Reg No	Renewal
1957 TM 07DE2009 Attorney: PBL Mark: JEFFOL USE AS POLYURETHANE RAW MATERIAL	USA	Registered	21AUI998	75/540512	07DE1999	2297884	07DE2009	
Class & Type: IN 1 Goods: HYDROXY TERMINATED POLYOXYALKYLENE ETHERS FOR								
2308 TM 18AP2010 Attorney: PBL Mark: JEFFSTRIP	USA	Registered	31OCI997	75/382508	18AP2000	2342161	18AP2010	
Class & Type: IN 1 Goods: PROPYLENE CARBONATE SOLVENT BLENDS								
TM0005 Attorney: PBL Mark: BUBBLE DESIGN COMMERCIAL APPLICATIONS.	USA	Registered	15ADI996	75/088327	27OCI998	2200138	27OCI2008	27OCI2008
Class & Type: IN 1 Goods: SURFACTANTS FOR USE IN A WIDE VARIETY OF INDUSTRIAL AND								
TM0006 Attorney: PBL Mark: CARBOLINK IN AUTOMOTIVE AND	USA	Registered	31OCI997	75/382509	24AUI999	2271545	24AUI2009	24AUI2009
Class & Type: IN 1 Goods: HYDROXY ALKYL CARBAMATES FOR USE IN COATINGS/RESINS SYSTEMS								
TM0014 22JE2014 Attorney: GRAH Mark: DGA gas treating agent and as a chemical intermediate for the	USA	Registered	21JUL2003	75/536755	22JE2004	2835802	22JE2014	
Class & Type: IN 1 Goods: 2-(2-aminoethoxy) ethanol for use as a natural								
TM0015 15JE2005 Attorney: GRAH Mark: DIGLYCOLAMINE FOR USE AS A NATURAL GAS TREATING	USA	Registered	17JAI964	72/184825	15JE1963	790882	15JE2005	
Class & Type: IN 6 Goods: CHEMICAL COMPOUND 2-(2-AMINOETHOXY) ETHANOL								
TM0026 23JA2006 Attorney: PBL Mark: KARTFLOC WATER.	USA	Registered	06JUL1992	74/291173	23JAI996	1951651	23JA2006	
Class & Type: IN 1 Goods: CHEMICAL REAGENTS USED IN THE TREATMENT OF								

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Docket No. Expires	Chry	Types	Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal
TM0028 13OC2010 Attorney: Mark: JEFFAMINE HARDENING AGENTS FOR EPOXY RESINS.	USA		Registered 23JUL1969	72/330750	13OC1970	900546	13OC2010	
Class & Type: IN 1 Goods: POLYOXYALKYLENE POLYAMINES USED AS CURING AND								
TM0031 03JUL2014 Attorney: GRAH Mark: JEFFFOX THICKENING AGENTS, PROTHING AGENTS.	USA		Registered 03MAY1983	73/415632	03JUL1984	1283943	03JUL2014	
Class & Type: IN 1 Goods: CHEMICALS FOR USE AS PLASTICIZERS, SOLVENTS,								
TM0040 25AUG2012 Attorney: Mark: QUICKTREAT AMINE-BASED GAS AND LIQUID TESTING	USA		Registered 04MAY1991	74/144054	25AUG1992	1710727	25AUG2012	
Class & Type: IN 9 Goods: COMPUTER PROGRAM FOR DESIGNING AND EVALUATING								
TM0054 20JUL2010 Attorney: F&J Mark: SURFOL intermediates.	USA		Registered 29MAY1999	75/669734	20JUL2000	2359811	20JUL2010	
Class & Type: IN 1 Goods: Industrial alcohols for use as chemical								
TM0055 14DE2009 Attorney: Mark: SURFONAMINE SURFACE ACTIVE AGENTS, NAMELY WETTING,	USA		Registered 26AUG1998	75/543364	14DE1999	2299734	14DE2009	
Class & Type: IN 1 Goods: CHEMICAL ADDITIVES FOR FUEL TREATMENT,								
TM0056 27MAY2006 Attorney: Mark: SURFONIC dispersing, penetrating, and emulsifying agents.	USA		Registered 14FEB1955	71/681603	27MAY1956	623613	27MAY2006	
Class & Type: IN 1 Goods: Surface active agents-namely, wetting,								
TM0057 18DE2006 Attorney: Mark: SURFONIC	USA		Registered 01FEB1956	72/001878	18DE1956	638883	18DE2006	
Class & Type: NA 52 Goods: DETERGENT FOR INDUSTRIAL PURPOSES.								

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REEL: 016987 FRAME: 0534

Docket No. Expires	Ctry	Type	Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal
TM0060 27MR2011 Attorney: F&J Mark: ULTRAPURE CARBONATE, PROPYLENE CARBONATE AND	USA	B	Registered 29MR1999	75/669755	27MR2001	2439636	27MR2011	27MR2011
Class & Type: IN 1 Goods: ORGANIC CARBONATES, NAMELY, ETHYLENE								
TM0061 18AP2010 Attorney: F&J Mark: UNIPROTH PROCESSING.	USA		Registered 13JUL1999	75/749580	18AP2000	2343670	18AP2010	18AP2010
Class & Type: IN 1 Goods: CHEMICAL REAGENTS FOR USE IN MINERAL								
TM0083 01AU2010 Attorney: F&J Mark: HARTOSOFT TREATMENT OF PAPER AND TEXTILES.	USA		Registered 13OC1999	75/822641	01AU2000	2373035	01AU2010	01AU2010
Class & Type: IN 1 Goods: CHEMICALS FOR USE IN THE MANUFACTURE AND								
TM0089 08AU2010 Attorney: F&J Mark: POGOL INTERMEDIATES, PLASTICIZERS,	USA		Registered 13OC1999	75/822640	08AU2000	2375441	08AU2010	08AU2010
Class & Type: IN 1 Goods: POLYOXYALKYLENE GLYCOLS FOR USE AS CHEMICAL								
TM0142 07OC2013 Attorney: P&F Mark: TERMUL the arts, namely, as wetting, spreading, emulsifying,	USA	Z	Registered 07OC2001	78/086508	07OC2003	2772604	07OC2013	07OC2013
Class & Type: IN 1 Goods: Surface active compounds for general use in								
TM0143 30SE2013 Attorney: P&F Mark: TERSPERSE THE INDUSTRIAL ARTS, NAMELY, AS	USA		Registered 10SE2001	76/310848	30SE2003	2768715	30SE2013	30SE2013
Class & Type: IN 1 Goods: SURFACE ACTIVE COMPOUNDS FOR GENERAL USE IN								

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Docket No. Expires	Ctry	Types Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal
TM0144 27NO2011 Attorney:FAJ Mark: TERWET pesticide and adjuvant formulations.	USA	Z Registered 06JA2000 Client/Division: SURF	75/888924	27NO2001	2513369	27NO2011	27NO2011
Class & Type: IN 1 Goods: Chemicals for use in the manufacture of							
TM0150 29DE2007 Attorney: Mark: ALKAPOL POLYURETHANE FOAMS AND ELASTOMERS	USA	Z Registered 20AP1987 Client/Division: PERF	73/656362	29DE1987	1470302	29DE2007	29DE2007
Class & Type: IN 1 Goods: POLYOLS USED IN RIGID AND FLEXIBLE							
TM0164 13JL2014 Attorney:FAJ Mark: E-GRADE TREATMENT OF MICROCHIPS, CIRCUIT BOARDS,	USA	Z Registered 01SE2000 Client/Division: PERF	76/121120	13JL2004	2863877	13JL2014	13JL2014
Class & Type: IN 1 Goods: CHEMICALS FOR USE IN THE MANUFACTURE OR							
TM0170 Attorney:PERF Mark: JEFFLINK polyurea and polyurethane systems.	USA	Z Filed 19MR2001 Client/Division: PERF	78/053882				
Class & Type: IN 001 Goods: Chemicals for use in the preparation of							
TM0174A Attorney:GRAH Mark: ELASTAMINE	USA	Z Filed 01JL2003 Client/Division: PERF	78/269143				
Class & Type: IN 001 Goods: Polyetheramines for use in modifying polymers							
TM0206 Attorney:GRAH Mark: JEFFPAC use in the coatings and composites industries.	USA	Z Filed 17JA2005 Client/Division: PERF	78/548716				
Class & Type: IN 001 Goods: Cycloaliphatic amines, namely chemicals for							
TM0209 Attorney:GRAH Mark: SURFACTOMER	USA	Z Filed 05MR2004 Client/Division: SURF	78/379321				
Class & Type: IN 001 Goods: Polymers useful as surface modifiers.							

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Docket No.
 Expires

 TM0213
 Attorney: GRAH
 Mark: TERNIX
 tank-added adjuvants and compatibilizers in the

Ctry

 USA

Types

 Z

Status

 Filed
 Client/Division: AG

Cur App Dt

 09SEP2004

Cur App No

 78/480890

Agent:

 Class & Type: IX 001
 Goods: Chemical additives and surfactants for use as

Curr Reg D

Curr Reg No

Renewal

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Schedule B

All patents are encumbered with security interests.

Patent NumberDate IssuedTitle

CNI:1569280.1

PATENT
REEL: 016987 FRAME: 0538

Patents Owned by
Company: Huntsman Petrochemical Corp.
Date of Report: 08AU2005

Docket No. Ctry Types Status App Date App No Grant Dt Pat No. Nxt Tax Dt Exp Dt

80145 USA G 27DE1985 813884 10FE1987 4542303 10AU1998 27DE2005
Title: Catalyst composition
Client/Division:
Owner of Record: Huntsman Petrochemical Corp.

80394 USA G 01ME1985 707126 23AU1988 4766245 23FE2000 23AU2005
Title: Process for the preparation of polyoxyalkylene polyamines
Client/Division: Coatings Polymers & Resins
Owner of Record: Huntsman Petrochemical Corp.

80412 USA G 31OC1985 793362 04OC1988 4775519 04AP2000 31OC2005
Title: Removal of acid gases from gas streams
Client/Division: Gas Treating
Owner of Record: Huntsman Petrochemical Corp.

80442 USA G 06NO1986 927475 10NO1987 4705814 10MY1999 06NO2006
Title: Reaction product of polyoxyalkylene polyamine and an
Client/Division: Polyetheramines SBU
Owner of Record: Huntsman Petrochemical Corp.

80452 USA G 07FE1985 699296 01AP1986 4579630 01OC1997 07FE2005
Title: BIS(AMINOETHYL)ETHER AND METHOXYETHYL MORPHOLINE SEPARATED
Client/Division: Morpholine/DGA(R) Amine
Owner of Record: Huntsman Petrochemical Corp.

80532 USA G 03JA1986 815954 01SE1987 4691041 01ME1999 03JA2006
Title: Process for production of ethylene glycol and dimethyl
Client/Division: CARBONATES
Owner of Record: Huntsman Petrochemical Corp.

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Docket No.	Ctry	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80578	USA	G	03AUI987	80929	02MY1989	4827038	02NO2000	03AU2007
Title: Bis(diaminopolyalkoxy)-N-alkylamines by amination of Client/Division: Specialty Amines & Urethane Catalysts Owner of Record: Huntsman Petrochemical Corp.								
80583	USA	G	27MY1986	866676	16JUL1987	4673762		27MY2006
Title: Decolorizing ethanalamines with alkylene oxides Client/Division: Ethanalamines Owner of Record: Huntsman Petrochemical Corp.								
80601-D1	USA	D O1	G 110C1988	255241	27FEL1990	4904711	27AU2001	30JUL2007
Title: POLYMER CONCRETE COMPOSITION FOR CEMENTITIOUS ROAD REPAIR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.								
80615-C1	USA	P O1	G 04MY1990	519080	07JUL1992	5128441	07JA2004	07JUL2009
Title: Block polyamide condensation products Client/Division: Polyetheramines SBU Owner of Record: Huntsman Petrochemical Corp.								
80616-C1	USA	P O1	G 04MY1990	519078	24AUL1993	5239048	24FE2005	24AU2010
Title: Aromatic polyoxyalkylene amidoamines Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.								
80626	USA	G	10AP1987	36637	30AUL1988	4767555	28FE2000	10AP2007
Title: POLYOXYALKYLENE DIAMINES MODIFIED BY GLYCIDYL ETHERS OF Client/Division: Resources, Fuel & Lubr Owner of Record: Huntsman Petrochemical Corp.								
80653	USA	G	27JUL1987	78309	06MAR1990	4906774	06SE2001	27JUL2007
Title: Process for preparing diamines Client/Division: Polyetheramines SBU Owner of Record: Huntsman Petrochemical Corp.								

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80655	USA	G	27JUL1987	78314	02AUL1988	4761465	02FEB2000	27JUL2007	
Title: ISOCYANATE CAPPED POLYOXYALKYLENE DIAMINES PREPARED FROM									
Client/Division: Polyetheramines SBV									
Owner of Record: Huntsman Petrochemical Corp.									
80659	USA	G	06NOV1986	927472	22MAR1988	4732919	23SEP1999	06NOV2006	
Title: Reaction injection molded elastomer made from a									
Client/Division: Polyetheramines SBV									
Owner of Record: Huntsman Petrochemical Corp.									
80663	USA	G	10AP1987	36955	07AP1992	5103062	07OCT2003	07AP2009	
Title: LOW-MELTING, WATER-SOLUBLE POLYOXYALKYLENE AMINES PREPARED									
Client/Division: Polyetheramines SBV									
Owner of Record: Huntsman Petrochemical Corp.									
80693-C1	USA	C 01	G	03OCT1988	252214	02JAL1990	4891086	02JUL2001	16AP2007
Title: STRAND COATING METHOD									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80730	USA	G	03AUL1987	80930	02MY1989	4827039	02NOV2000	03AUL2007	
Title: Nitrilo (tris) polyoxyalkyleneamines in a reaction injection									
Client/Division: Polyetheramines SBV									
Owner of Record: Huntsman Petrochemical Corp.									
80742	USA	M	G	03SEP1987	92856	30MY1989	4835241	30NOV2000	23AUL2005
Title: Epoxy coatings using acrylate esters, polyetherpolyamines									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80752-C1	USA	P 01	G	01OCT1992	955214	06SEP1994	5344996	06MAR2006	18OCT2011
Title: Catalyst removal from alcohol alkoxylates using acid clays									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
80761	USA	G	11AP1988	179827	19DEL1989	4888446	19JUL2001	11AP2008	
Title: Preparation of polyoxyalkylene glycol amines									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0541

Docket No.	Chry	Types	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
80775	USA	G	27FE1991	661142	09JUL1992	5120817	09DEC2003	27FE2011	
Title: EPOXY RESIN CURATIVES: CONDENSATION PRODUCTS OF PHENOL, Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80790	USA	G	16JUL1990	465290	21JUL1992	5082924	21JUL2003	16JUL2010	
Title: Polyamide-ester from polyethylene glycol monoamine and Client/Division: Polyetheramines SUV Owner of Record: Huntsman Petrochemical Corp.									
80822	USA	G	13JUL1988	205754	09JUL1990	4892977	09JUL2001	13JUL2008	
Title: PREPARATION OF MONOMERIC SURFACTANTS BY OXYALKYLATION WITH A Client/Division: Housebold, I&I Owner of Record: Huntsman Petrochemical Corp.									
80826	USA	G	26SE1989	412373	23JUL1992	5124426	23DEC2003	26SE2009	
Title: DI(METHYLTHIO)-TOLUENEDIAMINE AS A CHAIN EXTENDER IN SPRAY Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80827	USA	G	24OCT1988	2611931	02JUL1992	5118728	02DEC2003	02JUL2009	
Title: SPRAY POLYUREA ELASTOMERS USING CROPPED GLASS ROVING Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80844	USA	G	31OCT1988	265081	30JUL1990	4897430	30JUL2001	31OCT2008	
Title: ONE COMPONENT POLYUREA Client/Division: Polyetheramines SUV Owner of Record: Huntsman Petrochemical Corp.									
80853	USA	G	31OCT1989	429672	05FE1991	4990576	05AUG2002	31OCT2009	
Title: Tetramines by amination of polyoxyalkylene glycols Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80859	USA	G	27FE1989	316200	07AUG1990	4946933	07FE2002	27FE2009	
Title: Elastomeric polyamide hot melt adhesive from low molecular Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0542

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80862-C1	USA	F 01	G	08AP1993	45284	06SE1994	5344984	06MR2006	06SE2011
Title: Method for preparing "twin-tailed" polyoxyalkylene tertiary									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
80875	USA	G	G	10AP1990	506990	04FE1992	5086162	04AU2003	10AP2010
Title: Polyether amide from polyalkylene glycol diamine and diacid									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80876	USA	G	G	10AP1990	507261	01OC1991	5053484	01AP2003	10AP2010
Title: POLYETHER AMIDES PREPARED FROM A POLYOXYALKYLENEPOLYAMINE,									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80880	USA	G	G	11DE1989	448417	25FE1992	5091572	25AU2003	11DE2009
Title: Amine terminated polyamides									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
80884	USA	G	G	18DE1989	452146	26MR1991	5003107	26SE2002	18DE2009
Title: CATALYTIC METHOD FOR THE REDUCTIVE AMINATION OF									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80885	USA	M	G	25SE1989	412027	30NO1993	5266671	30MY2005	08JE2010
Title: CHEMICALLY SIZED MINERAL PARTICLES IN SPRAY POLYUREA									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80891-C2	USA	C 01	G	15DE1993	166792	02AP1996	5504181	02OC2007	02AP2013
Title: ALIPHATIC SPRAY POLYUREA ELASTOMERS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
80895	USA	G	G	10AP1990	506989	09JUL1991	5030710	09JAZ2003	10AP2010
Title: NYLON-6 MODIFIED WITH TEREPHTHALIC ACID SALT OF									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80896-1	USA	G	01NO1990	608128	18AUG1992	5140097	18FEB2004	01NO2010	
Title: POLYAMIDES PREPARED FROM DICARBOXYLIC ACIDS, E.G., ADIPIC, Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80904	USA	G	11FEB1991	653220	24MAR1992	5099073	24JUN2003	11FEB2011	
Title: Catalytic process for the production of diketone derivatives Client/Division: Resources, Fuel & Lubr Owner of Record: Huntsman Petrochemical Corp.									
80918	USA	G	10AP1990	506747	24DEC1991	5075506	24JUN2003	10AP2010	
Title: Continuous preparation of secondary amines from nitriles Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
80925	USA	M	G	20DEC1989	453733	17SEP1991	5049411	17MAR2003	27FEB2007
Title: POLYMER CONCRETE COMPOSITION WHICH ADHERES TO WET AND DRY Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80931	USA	G	25JUN1990	543017	30AP1991	5011926	30OCT2002	25JUN2010	
Title: NICKEL-BASED DUAL CATALYST SYSTEM TO SUPPRESS CARBON DIOXIDE Client/Division: Morpholine/DGA(R) Amine Owner of Record: Huntsman Petrochemical Corp.									
80951	USA	G	21DEC1990	631844	25FEB1992	5091585	25AUG2003	21DEC2010	
Title: Continuous preparation of tertiary aliphatic methyl amines Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
80983	USA	G	10JUN1991	712817	18AUG1992	5140090	18FEB2004	10JUN2011	
Title: ALIPHATIC POLYUREAS PREPARED FROM POLYOXYALKYLENEPOLYAMINES, Client/Division: Polyetheramines SHU Owner of Record: Huntsman Petrochemical Corp.									
80986	USA	G	21DEC1990	632205	10DEC1991	5071980	10JUN2003	21DEC2010	
Title: NICKEL/RUTHENIUM DUAL CATALYST SYSTEMS FOR SELECTIVE Client/Division: Morpholine/DGA(R) Amine Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81005	USA	G	21JA1992	822893	05JA1993	5177301	05JL2004	21JA2012	
Title: Method of separating isobutylene from a C-4 hydrocarbon Client/Division: C-4's Owner of Record: Huntsman Petrochemical Corp.									
81009	USA	G	08FE1991	652954	06OC1992	5153232	06AP2004	08FE2011	
Title: WATER BLOWN POLYUREA FOAMS BASED ON ALIPHATIC PRIMARY Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81027	USA	G	03SE1991	753502	08SE1992	5146041	08MR2004	03SE2011	
Title: METHOD OF SEPARATING ISOBUTYLENE FROM A C-4 HYDROCARBON Client/Division: C-4's Owner of Record: Huntsman Petrochemical Corp.									
81038	USA	G	16OC1991	777847	08JN1993	5218005	08DE2004	16OC2011	
Title: SPRAY POLYUREA ELASTOMERS PREPARED USING LOW MOLECULAR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81044	USA	G	21FE1992	838990	23FE1993	5189075	23AU2004	21FE2012	
Title: POLYUREA ELASTOMERS MADE USING POLYOXYALKYLENE TETRA- OR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81057	USA	G	22JA1992	824129	28SE1993	5248756	28MR2005	22JA2012	
Title: Crystallization agent for bisphenol-A polycarbonate Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81059	USA	G	04JN1991	709931	10NO1992	5162388	10MY2004	04JN2011	
Title: CYCLOALIPHATIC DIAMINES, X.G., 1,3-DIAMINO CYCLOHEXANE OR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81076	USA	G	03OC1991	770218	10AU1993	5235007	10PE2005	03OC2011	
Title: Epoxy curing agents Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0545

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Int Tax Dt	Exp Dt
81088	USA	G	31AU2000	652437	07JUL2003	6503891	07JUL2006	31AUG2020	
Title: WATER EMULSIFIABLE FORMULATIONS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81091	USA	G	15OC1991	776014	23AP2002	6376588	23OC2005	23AP2019	
Title: WATER SOLUBLE MOLD RELEASE COMPOSITION FOR ELASTOMERIC									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81104	USA	G	07JUL1993	87093	09MAY1995	5414087	09NO2005	07JUL2013	
Title: Preparation of N-alkylpiperazines									
Client/Division: Specialty Amines & Urethanes Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81108	USA	G	29JUL1992	905699	19OCT1993	5254668	19AP2005	29JUL2012	
Title: POLY(AMIDE-ETHER-AMIDE) ABA TRIBLOCK COPOLYMERS PREPARED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81125-C1	USA	P 01	G	19MR1993	34196	16NOV1993	16MAY2005	20AP2012	
Title: PROCESS FOR ETHYLENE EPOXIDATION									
Client/Division: Oxides									
Owner of Record: Huntsman Petrochemical Corp.									
81143	USA	G	23NOV1992	979737	29MAR1994	5298618	29SEP2005	23NOV2012	
Title: Macrocyclic oxamides									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81150	USA	G	13AUG1992	928582	22FEB1994	5288873	22AUG2005	13AUG2012	
Title: ANIMATED ALKOXYLATED IMIDAZOLIDONES									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81161	USA	G	19MR1992	855357	23FEB1993	5189073	23AUG2004	19MR2012	
Title: PROCESS FOR THE PRODUCTION OF EXPANDED MATERIALS BASED ON									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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PATENT

REEL: 016987 FRAME: 0546

Docket No.	Chry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tex Dt	Exp Dt
81188	USA	G		13AUI992	928583	05OC1993	5250632	05AP2005	13AU2012
Title: REIMD-CONTAINING POLYETHERAMINE CURATIVE FOR FLEXIBLE, Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81208	USA	G		09AP1993	44424	04JA1994	5276215	04JL2005	09AP2013
Title: ALKYLPHENOLS PREPARED FROM PHENOL AND CORRESPONDING OLIEFINS Client/Division: IAS (linear Alkyl Benzene) Owner of Record: Huntsman Petrochemical Corp.									
81210	USA	G		12AP1993	45150	31NY1994	5317076	30NO2005	12AP2013
Title: SPRAY POLYUREA ELASTOMERS BASED ON AN AMINATED 1,2-BUTYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81225	USA	G		19JUL1993	93568	23AU1994	5340889	23FE2006	19JUL2013
Title: Liquefaction of bis-carbonates of bis-glycidyl ethers Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81242-C1	USA	F 03	G	16AUI995	515706	24FE1998	5721315	24AU2005	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2	USA	P	G	08JUL1996	676947	28XX1999	5959032	28MR2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2-CON	USA	C	G	03AUI999	368042	10AP2001	6214914	10OC2008	13JUL2013
Title: POLYETHER MONOAMINE WITH 36-44 ETHYLENE OXIDE UNITS AND 1-6 Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2-CON2	USA	D	G	06FE2001	777763	15OC2002	6465606	15AP2006	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81242-C3	USA	P	G	12JUL1996	679070	29FEB2000	6031048	29AUG2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C4	USA	P	G	23AUG1997	838970	16NOV1999	5985999	16MAY2007	13JUL2013
Title: DYKABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C4-CON	USA	P	G	19OCT1999	421085	03OCT2000	6127480	03APR2008	13JUL2013
Title: DYKABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C4-COH-2	USA	C	G	26SEP2000	659702	16JUL2002	6420482	16JUL2006	13JUL2013
Title: DYKABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-C5	USA	G	G	12MAY1998	076209	25JUL2000	6093496	25JUL2008	13JUL2013
Title: POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED-FUNCTIONALIZED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C1	USA	P	G	07JUL1995	499521	21JUL1998	5783630	21JUL2006	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C2	USA	C	G	03NOV1997	962788	12OCT1999	5965667	12APR2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C3	USA	C	G	03AUG1999	368041	31OCT2000	6140416	30APR2008	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Cur	Types	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
81242-D2	USA	D 04	G	03NO1997	962785	24AU1999	5942576	24FE2007	13JL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-P2-CON	USA	C 04	G	03AU1999	368033	25JL2000	6093773	25JA2008	13JL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81247	USA	G	01AF1993	41104		28JE1994	5324812	28DE2005	01AF2013
Title: WATER SOLUBLE POLYAMIDES PREPARED FROM DIMER ACIDS AND									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81266	USA	G	12JA1995	372049		18MR1997	5612305	18SE2008	12JA2015
Title: LOW FOAM SURFACTANT SYSTEM OBTAINED BY MIXING AN UNCAPPED									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81267-C1	USA	F	G	27DE1995	579473	01AF1997	5616677	01OC2008	24JE2014
Title: PREPARATION OF SPRAYABLE ALIPHATIC POLYUREA ELASTOMERS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81275	USA	G	05JE1997	869385		02JE1998	5759695	02DN2008	05JE2017
Title: POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION TO									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81275-C1	USA	C	G	03AF1998	054979	05OC1999	5962144	05AF2007	05JE2017
Title: POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION TO									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81283	USA	G		16MY1996	648917	16SE1997	5668217	16ME2009	16MY2016
Title:AMIDAMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81301	USA	G		01JE1994	252031	15AU1995	5442034	15PE2007	01JE2014
Title:ALIPHATIC SPRAY POLYUREA ELASTOMERS CONTAINING ORGANIC Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81312	USA	G		10JA1994	178720	21MY1996	5519154	21MO2007	10JA2014
Title:POLYETHER SULFONATES AND THEIR SURFACTANT DERIVATIVES Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
81313-D1	USA	D	G	23OC1997	956960	05OC1999	5962748	05AP2007	04NO2016
Title:PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81323-C1	USA	F	G	18JE1996	665989	08JL1997	5646235	08JA2009	27MR2015
Title:REDUCTIVE ALKYLATION OF POLYANINES Client/Division: Specialty Amines & Urethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81324-D1	USA	D	G	29JA1997	790391	02MY2000	6057443	02NO2007	31MR2015
Title:DIMORPHOLINOETHER HAVING IMPROVED ISOCYANATE STABILITY Client/Division: Specialty Amines & Urethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81327	USA	G		30DE1994	366857	27FE1996	5494595	27AU2007	30DE2014
Title:OIL SOLUBLE POLYETHERS Client/Division: Resources, Fuel & Lube Owner of Record: Huntsman Petrochemical Corp.									
81340	USA	G		08FE1996	598652	08DE1998	5847254	08JE2006	08FE2016
Title:ALKYLATION OF BENZENE TO FORM LINEAR ALKYLENEZINES USING Client/Division: LAB (Linear Alkyl Benzene) Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0550

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81342	USA		G	16AP1996	632825	24MR1998	5731397	24SE2005	16AP2016
Title: POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81342-C1	USA	C	G	17MR1998	040120	05OC1999	5962618	05AP2007	16AP2016
Title: POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81343	USA		G	08FE1996	598695	23JE1998	5770782	23DE2005	08FE2016
Title: PROCESS AND SYSTEM FOR AXYLATION OF AROMATIC COMPOUNDS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81343-D1	USA	D	G	20JE1997	879745	13NO2001	6315964	13MY2005	08FE2016
Title: PROCESS AND SYSTEM FOR AXYLATION OF AROMATIC COMPOUNDS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81375	USA		G	28OC1985	791655	30DE1986	4632915	30JE1998	28OC2005
Title: IRON/LITHIUM-PROMOTED CATALYSTS FOR THE PRODUCTION OF MALEIC									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81377	USA		G	28OC1985	791977	02JE1987	4670415		28OC2005
Title: PROCESS FOR THE PREPARATION OF IRON/LITHIUM-PROMOTED									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81378	USA		G	19JA1988	145795	08AU1989	4855459	08FE2001	19JA2008
Title: PROCESS FOR THE PRODUCTION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81379	USA		G	27JE1991	722070	11AU1992	5137860	11FE2004	27JE2011
Title: PROCESS FOR THE TRANSFORMATION OF VANADIUM/PHOSPHORUS MIXED									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81380-Cl	USA	P	G	20DE1991	812252	01DE1992	5188090	01JUE2004	04OC2010
Title: SHAPED OXIDATION CATALYST STRUCTURES FOR THE PRODUCTION OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81381	USA		G	18FE1992	836434	09FE1993	5185455	09AUE2004	18FE2012
Title: METHOD FOR IMPROVING THE PERFORMANCE OF VPO CATALYSTS									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81382	USA		G	28JEL1991	722785	09FE1993	5185485	09AUE2004	28JUE2011
Title: PROCESS FOR PREPARING ALKYL BENZENE									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81383	USA		G	22MY1992	887254	04JAL1994	5275996	04JUL2005	22MY2012
Title: PHOSPHOROUS/VANADIUM OXIDE CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81384-Cl	USA	C	G	24JUL1992	919628	28JEL1994	5324880	28DE2005	28JUE2011
Title: PROCESS FOR DEHYDROGENATION OF PARAFFIN									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81385	USA	M	G	08DE1992	986652	15NO1994	5364824	15MY2006	11AU2009
Title: CATALYSTS FOR THE PRODUCTION OF MALEIC ANHYDRIDE CONTAINING									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81388-D1	USA	D	G	10AP1998	058029	21DE1999	6005121	21JUE2007	08JUL2011
Title: HIGH PRODUCTIVITY PROCESS FOR THE PRODUCTION OF MALEIC									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81395	USA		G	13FE1992	835152	31MR1998	5734066	30SE2005	31MR2015
Title: ASSESSMENT OF AUTOIGNITION CONDITIONS AND SUPPRESSION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Data	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81396	USA		G	15SE1994	306489	24JEL1997	5641722	24DE2008	15SE2014
Title:IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81396-C1	USA	C	G	09DE1996	775938	30JEL1998	5773382	30DE2005	15SE2014
Title:IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81397	USA		G	03FE1995	383000	01AF1997	5617208	01OC2008	03FE2015
Title:IGNITION DETECTION METHOD AND DEVICE FOR A REACTION VESSEL									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81398	USA		G	20MR1995	406674	20MY1997	5631387	20NO2008	20MR2015
Title:PROCESS AND APPARATUS FOR THE PREPARATION AND RECOVERY OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81399-D1	USA	D	G	12AU1997	909638	27JUL1999	5929256	27JA2007	02OC2015
Title:MOLYBDENUM MODIFIED VANADIUM-PHOSPHOROUS OXIDE CATALYSTS FOR									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400	USA		G	13JAL1998	006132	26OCT1999	5972174	26AP2007	13JA2018
Title:PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400-D1	USA	D	G	19MR1999	273006	19SE2000	6120654	19MR2008	13JA2018
Title:PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400-D2	USA	D	G	19MR1999	273173	18JUL2000	6090245	18JA2008	13JA2018
Title:PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81417	USA	P	G	12JUL1996	562786	07JUL1998	5777187	07JUL2006	08FEB2016
Title: TWO STEP PROCESS FOR ALKYLATION OF BENZENE TO FORM LINEAR									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81421-C1	USA	X	G	30SEP1996	720587	19JUL1999	5861051	19JUL2006	06MAR2016
Title: PROCESS FOR REMOVING CARBON DIOXIDE FROM GAS MIXTURE									
Client/Division: Gas Treating									
Owner of Record: Huntsman Petrochemical Corp.									
81422	USA		G	23MAY1997	862588	21JUL1998	5782938	21JUL2006	23MAY2017
Title: FUEL COMPOSITION									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81426-C1	USA	X	G	11MR1997	815154	11JUL2000	6013755	11JUL2007	11MR2017
Title: A METHOD OF PREPARING AN ALIPHATIC POLYUREA SPRAY ELASTOMER									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81426-C2	USA	P	G	11JUL2000	481245	04JUL2002	6399736	04DEC2005	11MR2017
Title: METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81426-C3	USA	C	G	14JUL2002	10/046936	12AUG2003	6605684	12FEB2007	11MR2017
Title: METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81437	USA		G	29JUL1997	902617	15JUL1999	5912382	15DEC2006	29JUL2017
Title: HYDROXYALKYL CARBAMATE COMPOSITIONS AND PROCESSES FOR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81445	USA		G	22MAY1998	083402	21MR2000	6040284	21SEP2007	22MAY2018
Title: Paint coatings remover comprising propylene carbonate and									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0554

Docket No.	Crzy	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81445-C1	USA	C	G	12OC1999	417137	19DE2000	6162776	19JE2008	23MY2017
Title: PAINT AND COATING REMOVER									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81447	USA	G	G	09JE1998	094247	14MO2000	6146574	14MY2008	13JL2013
Title: ARTICLE MANUFACTURE USING POLYOLEFIN CONTAINING									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
81453	USA	G	G	21AU1998	138134	13JE2000	6075168	13DE2007	21AU2018
Title: SELECTIVE PRODUCTION OF DIETHANOLAMINE									
Client/Division: Ethanolamines									
Owner of Record: Huntsman Petrochemical Corp.									
81454	USA	G	G	08SE1998	149322	16MY2000	6063965	16NO2007	08SE2018
Title: PRODUCTION OF DIETHANOLAMINE									
Client/Division: Ethanolamines									
Owner of Record: Huntsman Petrochemical Corp.									
81456	USA	G	G	18NO1997	968172	02MR1999	5877331	02SE2006	18NO2017
Title: PREVENTION OF CATALYST ATTRITION AND TAR FORMATION IN									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81456-D1	USA	D	G	25FE1999	257633	04AP2000	6046343	04OC2007	18NO2017
Title: PREVENTION OF CATALYST ATTRITION AND TAR FORMATION IN									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81457	USA	G	G	23JL1998	121773	05OC1999	5962699	05AF2007	23JL2018
Title: PROCESS FOR DECOLORIZING ORGANIC CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81462	USA	G	G	28AU1998	143177	04JL2000	6083897	04JA2008	28AU2018
Title: SOLIDIFICATION OF LOW 2-PHENYL ALKYLENE SULFONATES									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0555

Docket No.	Chry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tex Dt	Exp Dt
81468	USA	P	G	19OC1998	175078	26DE2000	6156281	26JTE2008	20JTE2017
Title:ALKYLATION OF BENZENE TO FORM LINEAR ALKYL BENZENES USING									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81470	USA	G	G	07OC1998	157351	05DE2000	6156160	05JTE2008	07OC2018
Title:ALKYLENE CARBONATE PROCESS									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81470-C1	USA	P	G	07NO2000	707674	14MY2002	6387223	14NO2005	05DE2020
Title:ALKYLENE CARBONATE PROCESS									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81475	USA	P	G	19OC1998	174891	17OC2000	6133492	17AP2008	20JTE2017
Title:ALKYLATION OF BENZENE TO FORM LINEAR ALKYL BENZENES USING									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81476	USA	G	G	14OC1999	418686	25JUL2000	6093854	25JUL2008	14OC2019
Title:A PROCESS FOR PREPARING ALKANOLAMINES FROM POLYOLEFIN									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81481	USA	G	G	07JUL2000	479435	09SE2003	6817303	09MR2007	07JUL2020
Title:SURFACTANT COMPOSITIONS CONTAINING ALKOXYLATED AMINES									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81482	USA	G	G	10JUL2000	480836	15JUL2003	6593495	15JUL2007	10JUL2020
Title:ANHYDRIDE STABILIZATION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81482-C1	USA	P	G	20AUG2002	10/224050	04MY2004	6730810	04NO2007	10JUL2020
Title:ANHYDRIDE STABILIZATION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0556

Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tex Dt	Exp Dt
81482-D1	USA	D	G	20AU2002	10/223990	05AU2003	6603042	05FE2007	10JA2020
Title: ANHYDRIDE STABILIZATION									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81484	USA	G	G	31JA2000	494365	10JL2001	6258866	10JA2009	31JA2020
Title: BLOWING AGENT COMPATIBILIZATION									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81486-3	USA	F	F	17AU2000	640834				
Title: MANNICH CONDENSATE BASED SURFACTANT ADJUVANTS AND									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81486-6	USA	G	G	17AU2000	641228	16JL2002	6420311	16JA2006	17AU2020
Title: POLYETHER DIAMINE BASED SURFACTANT ADJUVANTS AND									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81487-C1	USA	F	G	20AU2002	10/223980	15JE2004	6750374	15DE2007	10AU2019
Title: MANUFACTURE OF CYCLOHEXANE FROM BENZENE AND A HYDROGEN									
Client/Division: C-4's									
Owner of Record: Huntsman Petrochemical Corp.									
81488	USA	2	F	30JL2003	10/630121				
Title: ANION CATALYST SYSTEM FOR FOAMS									
Client/Division: Urethane Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81491	USA	G	G	30AP1999	303170	09MY2000	6060625	09NO2007	30AP2019
Title: PROCESS FOR THE PRODUCTION OF ETHERAMINE ALKOXYLATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81497	USA	G	G	08MY2000	566421	09OC2001	6300505	09AP2009	08MY2020
Title: METHOD AND APPARATUS FOR IMPROVING THE UNIFORMITY OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0557

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Hxt Tax Dt	Exp Dt
81500	USA	G	04NO1999	434872	13FE2001	6187108	13AU2008	04MO2019	
Title: Alkylene carbonate based cleaners Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81501	USA	P	G	01SE2000	654439	12NO2002	6479445	12MY2006	23MY2017
Title: PAINT STRIPPING COMPOSITIONS Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81501-D1	USA	D	G	20AU2002	10/223867	21DE2004	6833341	21JE2008	01SE2020
Title: PAINT STRIPPING COMPOSITIONS Client/Division: Licensing Group Owner of Record: Huntsman Petrochemical Corp.									
81502	USA	P	G	18JE1999	335396	02JA2001	6169061	02JL2008	19AP2019
Title: PAINT AND COATING REMOVER Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81502-D1	USA	P	G	28NO2000	724012	09AP2002	6369009	09OC2005	19AP2019
Title: PAINT AND COATING REMOVER Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81502-D1C1	USA	P	G	01FE2002	10/061565	01JL2003	6586380	01JA2007	19AP2019
Title: PAINT AND COATING REMOVER Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81503-C1	USA	F	G	11DE2001	10/015064	22AP2003	6552121	22OC2006	16AU2020
Title: ALKALI-SILICATE POLYISOCYANATE COMPOSITES Client/Division: Specialty Amines & Urethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81506	USA	G	28AP2000	560229	30OC2001	6310174	30AP2009	28AP2020	
Title: PRIMARY ALKANOLAMIDES Client/Division: Morpholine/DGA(R) Amine Owner of Record: Huntsman Petrochemical Corp.									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
81506-D1	USA	D	G	24SEP2001	961589	04SEP2003	6514190	04AUG2006	30APR2019
Title: PRIMARY ALKANOLAMIDES									
Client/Division: Morpholine/DGA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
81522	USA		G	18JUL1999	335597	12DEC2000	6159945	12JUL2008	18JUL2019
Title: PAINT AND COATING REMOVER									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81522-C1	USA	C	G	01NOV2000	704001	19NOV2002	6482270	19NOV2006	18JUL2019
Title: PAINT AND COATING REMOVER									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81524	USA		G	31AUG1999	386870	20SEP2001	6191317	20AUG2008	31AUG2019
Title: PROCESS FOR PREPARATION OF POLYALKYL HYDROXYAROMATICS									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81525	USA		G	07JAN2000	479434	25SEP2001	6294071	25SEP2009	07JAN2020
Title: METHODS FOR FORMING COPPER SOLUTIONS									
Client/Division: Performance Intermediates									
Owner of Record: Huntsman Petrochemical Corp.									
81527	USA		G	22MAR2000	533278	09JUL2002	6417135	09JAN2006	27AUG2019
Title: ADVANCES IN DEHYDROGENATION CATALYSIS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81527-D1	USA	D	G	07MAY2002	10/140178	02MAR2004	6700028	02SEP2007	22MAR2020
Title: ADVANCES IN DEHYDROGENATION CATALYSIS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81530	USA	P	G	09MAR2000	521502	07MAY2002	6384240	07NOV2005	07OCT2018
Title: PROCESS TO PRODUCE PHOTOCROMIC GRADE ALKYLENE CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0559

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
81530-C2	USA	P	G	26FE2002	10/083230	05NO2002	6476237	05MY2006	07OC2018
Title: PURIFICATION OF ALKYLENE CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81530-D1	USA	D	G	08FE2002	10/071169	01OC2002	6458969	01AF2006	07OC2018
Title: Process for the purification of alkylene carbonate									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81534-C1	USA	C	G	19JE2002	10/175535	03MY2005	6887830	03NO2008	
Title: SURFACTANT ADJUVANTS USEFUL IN HERBICIDE COMPOSITIONS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81535	USA	P	G	01SE2000	654438	28MY2002	6395103	28NO2005	18JE2019
Title: DEGREASING COMPOSITIONS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81535-D1	USA	D	G	01FE2002	10/061536	21DE2004	6833345	21JE2008	18JE2019
Title: DEGREASING COMPOSITIONS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81536	USA	G	G	26SE2000	669982	15AP2003	6548726	15OC2006	26SE2020
Title: REMOVAL OF DEHA FROM A BUTADIENE STREAM									
Client/Division: C-4's									
Owner of Record: Huntsman Petrochemical Corp.									
81537	USA	G	G	08FE2000	500175	03AP2001	6210452	03OC2008	08FE2020
Title: FUEL ADDITIVES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81539	USA	P	G	26AP2000	559841	13MY2003	6562776	13NO2006	28JA2020
Title: SOLID ALKYLENE SULFONATES AND CLEANING COMPOSITIONS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0560

Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tex Dt	Exp Dt
81539-C1	USA	P	G	19FE2003	10/370144	03MY2005	6887839	01NO2008	
Title: SOLID ALKYL BENZENE SULFONATES AND CLEANING COMPOSITIONS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81541	USA	G	G	09AU2000	634374	16JL2002	6420327	16JA2006	09AU2020
Title: CARBONATE BASED COATING REMOVER									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81544-C1	USA	P	G	05SE2001	946313	05NO2002	6475708	05MY2006	29JY2020
Title: ALTERNATIVE PHOTORESIST STRIPPING SOLUTIONS									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81544-D1	USA	D	G	06JE2002	10/164793	01JL2003	6586164	01JA2007	29JY2020
Title: ALTERNATIVE PHOTORESIST STRIPPING COMPOSITIONS									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81545	USA	G	G	29DE2000	752118	04FE2003	6515145	04AU2006	29DE2020
Title: PROCESS FOR THE PRODUCTION OF HIGH MELTING CARBONATES									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81546	USA	P	G	14JL2000	616568	07GC2003	6630430	07AP2007	08FE2016
Title: FUEL AND OIL DETERGENTS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81564-D1	USA	D	G	23MY2001	863558	23MR2004	6710203	23SE2007	25SE2020
Title: PREPARATION OF HYDROXYALKYL CARBAMATES FROM 6-MEMBERED CYCLIC									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81565	USA	G	G	28NO2000	723870	15AP2003	6548454	15OC2006	28NO2020
Title: PAINT STRIPPER FOR AIRCRAFT AND OTHER MULTICOAT SYSTEMS									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0561

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81566	USA		G	25SE2000	668961	22JUL2003	6596677	22JUL2007	25SE2020
Title: CLEANING COMPOSITIONS FOR HARD SURFACES (Amended)									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81567	USA		G	10MR1989	321981	08OCT1991	5055231	08AP2003	10MR2009
Title: REACTION PRODUCTS OF BORIC ACID AND ALKANOLETHETERAMINES AND									
Client/Division: Morpholine/DGA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
81568	USA		F	19SE2000	09/665642				
Title: ALKYL TOLUENE SULFONATE DETERGENTS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81570	USA		G	05JA2001	754867	05AUG2003	6602839	05FEB2007	05JUL2021
Title: ADVANCED SULFOSUCCINATE SURFACTANTS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81571	USA		G	05SE2001	946312	24DEC2002	6498278	24JUN2006	05SE2021
Title: ALKOXYLATION OF 6-MEMBERED ALKYLENE CARBONATES									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81572	USA		G	30MR2001	822914	30SEP2003	6627761	30MR2007	30MR2021
Title: MULTIFUNCTIONAL CARBONATES AND DERIVATIVES									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81573-C1	USA		P	13FE2003	10/365770				
Title: STYRENE COPOLYMERS COMBINED WITH METALLIC SPECIES IN									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81574	USA		G	19JA2001	756480	03DEC2002	6488808	03JUN2006	19JUL2021
Title: STYRENE COPOLYMERS IN DE-INKING									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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81574-D1	USA	D	G	06JUE2002	10/164037	19NOV2002	6482292	19MY2006	197A2021
Title: STYRENE COPOLYMERS IN DE-INKING									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81575	USA		G	21FEB2001	789654	22JUL2002	6340559	22JUL2005	21FEB2021
Title: SEMICONDUCTOR DEVELOPING AGENT									
Client/Division: Electronics									
Owner of Record: Huntsman Petrochemical Corp.									
81579	USA	F	F	26MR2002	10/741783				
Title: ALKYLENE CARBONATE ADJUVANTS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81581	USA		G	06AP2001	827526	20AUG2002	6438883	20FEB2006	06AP2021
Title: HYDRAULIC AND GEAR LUBRICANTS									
Client/Division: Resources, Fuel & Lub									
Owner of Record: Huntsman Petrochemical Corp.									
81582	USA		G	26AP2001	843330	19AUG2003	6608012	19FEB2007	26AP2021
Title: PROCESS TO REMOVE PAINT AND PRIMER COATINGS FROM									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81583	USA		G	22AP2002	10/127286	06JUL2004	6673212	06JUL2007	22AP2022
Title: POLYMERIZATION-INHIBITED DISTILLATION									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81584	USA		G	26AP2001	842451	09MAR2004	6703033	09SEP2007	26AP2021
Title: ADVANCES IN TOWELETTES									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81587	USA	F	F	31MY2002	10/476964				
Title: ADJUVANT COMPOSITIONS AND PESTICIDES									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0563

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81588	USA	G	07JA2002	10/038462	010C2002	6458860	01AP2006	07JA2023	
Title: ADVANCES IN URETHANE FOAM CATALYSIS									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81590	USA	G	10SE2001	950133	18MR2003	6534555	18SE2006	10SE2021	
Title: CATALYST SYSTEMS FOR POLYURETHANE POLYESTER FOAMS									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81591	USA	F	11JN2002	10/479403	12MO2002	6479593	12MY2006	10SE2021	
Title: SYNERGISTIC AMINE CHAIN EXTENDERS IN POLYUREA SPRAY									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81593	USA	G	10SE2001	950147	17DE2002	6495722	17JE2006	17SE2021	
Title: ABSORBENT POLYMER MODIFICATION									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81595	USA	G	17SE2001	953776	03MY2005	6888030	03NO2008	22OC2022	
Title: MANNICH POLYOLS FOR RIGID SPRAY FOAMS									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
81598	USA	G	22OC2002	10/277551					
Title: ADVANCES IN AMINATION									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81599	USA	F	07MO2002	10/289643					
Title: DRILLING FLUIDS									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
81600	USA	F	22NO2002	10/496899					
Title: SULFOSUCCINATE SURFACTANTS AS DEPOSITION INHIBITORS									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0564

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81601	USA	F	18AP2002	10/124925					
Title: ADVANCES IN AMINATION CATALYSIS									
Client/Division: Morpholine/USA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
81603	USA	F	18JUL2002	10/521102					
Title: CATALYST COMBINATIONS FOR INCREASING TRIMER CONTENT IN FOAM									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81605	USA	F	08AP2003	10/408883					
Title: AMINE BLEND ACCELERATORS FOR POLYOL/ALKYLENEPOLYAMINE CURED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81607	USA	F	06JUL2003	10/456655					
Title: COLOR STABILIZATION OF AMINES									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81608-C1	USA	F	18JUL2003	10/623293					
Title: PREPARATION OF SECONDARY AMINES									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81610	USA	P	29AUG2003	10/524247					
Title: POLYETHER POLYAMINE AGENTS AND MIXTURES THEREFOR									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81611	USA	P	03OCT2002	10/263547					
Title: ALKYLENE DETERGENTS WITH HIGH 2-ISOMER CONTENT									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81615-C1	USA	P	15DEC2004	11/013079					
Title: PAPER PRODUCTS SOFTENING PROCESS USING AMPHOTERIC									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0565

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Ext Tax Dt	Exp Dt
81617	USA		F	02DE2003	10/535725				
Title: IMPROVED MOLDED FOAMS									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81620	USA		F	26FE2003	10/374457				
Title: Chemical Softening Compositions for Paper Products									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81622	USA		F	03MY2004	10/838136				
Title: Heat Activated Tertiary Amine Urethane Catalysts									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81623-D1	USA		D	26AU2004	10/927204				
Title: Alkanolamine Polymer Salt Additive for Creping of Fibrous									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81625	USA		F	03MR2004	10/791946				
Title: Display Methods for Liquids Having Optical Effects									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81632	USA		G	09MY2003	10/435525	01FE2005	6849588	01AU2008	09MY2023
Title: Structured Liquids Made Using LAB Sulfonates of Varied									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81633	USA		G	20MY2004	10/850249	15FE2005	6855795	15AU2008	20MY2024
Title: Catalyst Removal Process									
Client/Division: Process Additives									
Owner of Record: Huntsman Petrochemical Corp.									
81637	USA		F	15SE2004	10/941298				
Title: Catalysts useful in polyurethane foam									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0566

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81649	USA	F	03MY2004	10/83816Q					
Title: OSB Boards Prepared by using an Isocyanate and a Heat									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81655	USA	L	F	11AU2004	60/600598				11AU2005
Title: Improved Cure Rebound Binder									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81655-2	USA	L	F	08SE2004	60/607736				08SE2005
Title: Improved Cure Rebound Binder									
Client/Division: Specialty Amines & Urethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81656	USA	L	F	23AU2004	60/603666				23AU2005
Title: Anti-Perspirant Compositions with Improved Properties									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81656-2	USA	L	F	08SE2004	60/607956				08SE2005
Title: Anti-Perspirant Compositions with Improved Properties									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81657	USA	L	F	26AU2004	60/604656				26AU2005
Title: Alkaline Earth Metal Salts of Unsaturated Fatty Acid									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									
81659	USA	L	F	04OC2004	60/615705				04OC2005
Title: High Load Glyphosate Formulations									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81660	USA	L	F	12OC2004	60/617827				12OC2005
Title: Soap Bars with Improved Properties									
Client/Division: Personal Care									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0567

Docket No.	Ctry	Type	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81651	USA	L	F	25OC2004	60/621892				25OC2005
Title: Fuel and Oil Detergents									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81662	USA	L	F	16DE2004	50/636759				16DE2005
Title: Co-Production of Cyclohexylamine and									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81664	USA	L	F	10MR2005	60/660285				10MR2006
Title: Enhanced Solubilization using Extended Chain Surfactants									
Client/Division: Household, Isr									
Owner of Record: Huntsman Petrochemical Corp.									
81669	USA	L	F	14AP2005	60/671127				14AP2006
Title: Alkylbenzenes and Bottoms Products as Solvent Replacement in									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
92017	USA		G	08FE1993	14583	04OC1994	5352835	04AP2006	08FE2013
Title: SUPPORTED CATALYSTS FOR AMINATION									
Client/Division: Morpholine/DGA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
HC-003C1C1	USA	P 01	G	17AU1988	233028	15MY1990	4925988	15NO2001	15MY2007
Title: Low foaming surfactant									
Client/Division: Household, Isr									
Owner of Record: Huntsman Petrochemical Corp.									
HC-007C1	USA	F 01	G	06AU1990	563887	27JUL1999	5929183	27JUL2007	27JUL2016
Title: POLYFUNCTIONAL POLYMERS USED AS DRINKING AGENTS.									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
HC-007C1D1	USA	D 01	G	27NO1991	800178	12SE1995	5449725	12MR2007	12SE2012
Title: POLYFUNCTIONAL POLYMERS USED AS DRINKING AGENTS.									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									

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REEL: 016987 FRAME: 0568

Docket No. Ctry Types Status App Date App No Grant Dt Pat No. Nxt Tax Dt Exp Dt

80891-C1 USA P 01 G 07SEP1993 117962 02JUL1996 5480955 02JUL2007 02JAN2013
Title: ALIPHATIC SPRAY POLYUREA ELASTOMERS
Client/Division: Coatings Polymers & Resins
Owner of Record: Huntsman Corporation

81399 USA X G 02OCT1995 538005 31AUG1999 5945368 28FEB2007 02OCT2015
Title: POLYBENZOTRIAZOLONE MODIFIED VANADIUM-PROSPHATE OXIDE CATALYSTS FOR
Client/Division: Maleic Anhydride
Owner of Record: Huntsman Corporation

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Huntsman Petrochemical Corporation