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

1. Name of conveying party(ies) Huntsman Specialty Chemicals Corp. 500 Huntsman Way Salt Lake City, UT 84108 Additional name(s) and address(es) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies): Name: Huntsman ICI Chemicals LLC Internal Address: _____			
3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other _____ Execution Date: June 30, 1999	Street Address: 500 Huntsman Way Salt Lake City, UT 84108 Additional name(s) and 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: <table border="1"> <tr> <td data-bbox="284 966 852 1050">A. Patent Application No.(s)</td> <td data-bbox="852 966 1421 1050">B. Patent No.(s)</td> </tr> </table> Additional numbers attached? ☒ Yes ☐ No		A. Patent Application No.(s)	B. Patent No.(s)	
A. Patent Application No.(s)	B. Patent No.(s)			
5. Name and address of party to whom correspondence concerning document should be mailed: Russell R. Stolle HUNTSMAN CORPORATION P. O. Box 15730 Austin, TX 78761	6. Total number of applications and patents involved: 164 7. Total fee (37 CFR 3.41)..... \$ 6560.00 ☐ Enclosed ☒ Authorized to be charged to Deposit Account ☒ Any deficiencies or overpayments are authorized to be charged to or credited to deposit account 8. Deposit Account Number: 08-3442			
DO NOT USE THIS SPACE				
9. Statement and signature. <i>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.</i> <table border="0"> <tr> <td data-bbox="284 1690 568 1764"> <u>Russell R. Stolle</u> Name of Person Signing </td> <td data-bbox="568 1659 1055 1764"> Signature </td> <td data-bbox="1055 1690 1421 1764"> <u>August 24, 1999</u> Date </td> </tr> </table> Total number of pages including cover sheet, attachments and document: 18		<u>Russell R. Stolle</u> Name of Person Signing	 Signature	<u>August 24, 1999</u> Date
<u>Russell R. Stolle</u> Name of Person Signing	 Signature	<u>August 24, 1999</u> Date		

OMB No. 0851-0011 (exp. 4/94) (Form 28883)

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PATENT
REEL: 010198 FRAME: 0242

USA Patents and Applications for Client/Division: PO/MTBE
Huntsman Specialty Chemicals Corporation
Date of Report: 23JEL1999

Pat No.	City	Types	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner	
4483997	USA	F	24JEL1994	265705		80970-C1				HSCC	
Title: METHYL TERT.-BUTYL ETHER AND ISOBUTYLENE PREPARED FROM											
4547598	USA	D	F	01SEL1994	299391		81148-D1			TEXC	
Title: REMOVAL OF METHANOL FROM METHYL TERT.-BUTYL ETHER USING											
4626596	USA	F	18AUI1995	60/019884			81166			HSCC	
Title: FEED TEMPERATURE CONTROL SYSTEM IN MTBE MANUFACTURE											
4483997	USA	F	19MY1995	444947			81256-1			HSCC	
Title: METHOD FOR REDUCED FORMATION OF T-BUTANOL IN A FINISHING											
4483997	USA	F	01NOI1994	332684			81315			HSCC	
Title: RECOVERY AND PURIFICATION OF TERTIARY BUTYL ALCOHOL											
4483997	USA	F	27AUI1997	917985			81448			HSCC	
Title: PURIFICATION OF PROPYLENE OXIDE USING ETHYLENE GLYCOL											
4483997	USA	P	F	10NOI1997	966879		81449			HSCC	
Title: METHODS FOR DECOMPOSING ESTERS AND PURIFYING ALCOHOLS											
4483997	USA	F	20NOI1997	975523			81455			HSCC	
Title: METHOD FOR REMOVAL OF OXYGENATE IMPURITIES FROM ORGANIC											
4483997	USA	F	18MRI1998	040817			81459			HSCC	
Title: IMPROVED PEROXIDATION OPERATION BY PRESSURE CONTROL											
4483997	USA	P	F	18FEL1999	253687		81472			HSCC	
Title: METHODS FOR DECOMPOSING ESTERS AND PURIFYING ALCOHOLS											
4483997	USA	G	31JAI1983	462250		20NOI1984	75119	20MY1996	31JAI2003	HSCC	
Title: EPOXIDATION OF OLEFINS WITH HYDROPEROXIDES IN THE PRESENCE											
4547598	USA	G	20DEL1984	664216		15OC1985	80403	15AP1997	20DE2004	HSCC	
Title: TERT.-BUTYL HYDROPEROXIDE IN TERT.-BUTANOL DECOMPOSED BY											
4626596	USA	G	31DEL1984	687701		02DEL1986	80421	02JEL1998	31DE2004	HSCC	
Title: PROPYLENE EPOXIDIZED BY TERT.-BUTYL HYDROPEROXIDE IN THE											
4650886	USA	P	02	G	06DEL1985	804131	17MRI1987	80316-C2	17SEL1998	31DE2004	HSCC
Title: SYNTHESIS OF AMMONIUM MOLYBDATE/ALKANOL COMPLEXES											

USA Patents and Applications for Client/Division: PO/MTBE
Huntsman Specialty Chemicals Corporation
Date of Report: 23JEL999

Pat No.	City	Types	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner
4654427	USA	P 01	G	06DE1985	804132	31MR1987	80316-C1	30SE1998	31DE2004	HSCC
Title: SYNTHESIS OF MOLYBDENUM OXIDE/ALKANOL COMPLEXES										
4691034	USA		G	14AP1986	851842	01SE1987	80472	01MR1999	14AP2006	HSCC
Title: PROPYLENE OXIDE PURIFIED BY CONTACT WITH CALCIUM HYDROXIDE										
4691035	USA		G	14AP1986	851846	01SE1987	80521	01MR1999	14AP2006	HSCC
Title: PROPYLENE OXIDE PURIFIED BY CONTACT WITH AQUEOUS GLYCEROL										
4704482	USA		G	27JEL1986	879660	03NO1987	80577	03MY1999	27JEL2006	HSCC
Title: PURIFICATION OF TERT-BUTYL ALCOHOL BY PASSING OVER SOLID										
4705903	USA		G	20NO1986	932822	10NO1987	80630	10MY1999	20NO2006	HSCC
Title: Catalytic decomposition of impurities in tertiary butyl										
4722919	USA		G	06OC1986	916075	02FE1988	80493	02AU1999	06OC2006	HSCC
Title: SOLUBLE VANADIUM CATALYSTS PREPARED FROM ALKYLENE GLYCOL AND										
4742179	USA		G	03NO1986	926159	03MY1988	80609	03NO1999	03NO2006	HSCC
Title: TERT-BUTYL ALCOHOL (TBA) STREAM PURIFIED BY REMOVAL OF										
4758681	USA		G	30DE1986	947672	19JUL1988	80557	19JA2000	30DE2006	HSCC
Title: MOLYBDENUM-ETHYLENE GLYCOL COMPLEXES PREPARED BY HEATING										
4801755	USA		G	27NO1987	125964	31JUL1989	80514	31JUL2000	27NO2007	HSCC
Title: TERT-BUTYL ALCOHOL AND BY-PRODUCT TERT. BUTYL HYDROPEROXIDE										
4803305	USA		G	27NO1987	125965	07FE1989	80513	07AU2000	27NO2007	HSCC
Title: TERT-BUTYL ALCOHOL AND BY-PRODUCT TERT. BUTYL HYDROPEROXIDE										
4810809	USA		G	23DE1986	945629	07MR1989	80603	07SE2000	23DE2006	HSCC
Title: DI-TERT-BUTYL PEROXIDE ISOLATED FROM TERT BUTYL ALCOHOL BY										
4822921	USA		G	14MR1988	168064	18AP1989	80743	18OC2000	14MR2008	HSCC
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTYL ALCOHOL										
4827048	USA		G	14MR1988	168022	02MY1989	80734	02NO2000	14MR2008	HSCC
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTYL ALCOHOL										
4845251	USA	D	G	28MY1987	055215	04JUL1989	80549-01	04JUL2001	06OC2006	HSCC
Title: EPOXIDATION IN THE PRESENCE OF MOLYBDENUM/ ALKALI										

USA Patents and Applications For Client/Division: PO/MTBE
Huntsman Specialty Chemicals Corporation
Date of Report: 23J01999

Pat No.	City	Types	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner
4873380	USA		G	20J01987	4508	100C1989	80644	10AP2001	20J0A2007	HSCC
Title: THERMAL-CATALYTIC REDUCTION OF TERT.-BUTYL HYDROPEROXIDE AND										
4891437	USA	P 01	G	16DE1987	133664	02J01990	80313-C1C1	02J12001	16DE2007	HSCC
Title: EPOXIDATION OF OLEFINS IN A POLAR MEDIUM										
4900850	USA		G	23DE1986	945628	13FE1990	80576	13AU2001	13FE2007	HSCC
Title: DI-TERT-BUTYL PEROXIDE BY-PRODUCT FROM TERT-BUTYL ALCOHOL										
4910349	USA		G	08SE1987	094173	20MR1990	80719	20SE2001	08SE2007	HSCC
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE TO TERT.-BUTYL										
4912266	USA		G	08SE1987	094174	27MR1990	80700	27SE2001	08SE2007	HSCC
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE TO TERT.-BUTYL										
4912267	USA		G	08SE1987	094170	27MR1990	80722	27SE2001	27MR2007	HSCC
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE TO TERT.-BUTYL										
4910244	USA		G	04MY1987	045631	17AP1990	78655	17OC2001	04MY2007	HSCC
Title: PREPARATION OF MTBE FROM TBA AND METHANOL										
4922033	USA		G	08SE1987	94171	01MY1990	80685	01NO2001	08SE2007	HSCC
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE IN THE PRESENCE										
4922034	USA		G	08SE1987	94172	01MY1990	80686	01NO2001	08SE2007	HSCC
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE IN THE PRESENCE										
4922035	USA		G	08SE1987	094352	01MY1990	80731	01NO2001	08SE2007	HSCC
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE TO TERT.-BUTYL										
4922036	USA		G	08SE1987	94175	01MY1990	80723	01NO2001	27MR2007	HSCC
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE TO TERT.-BUTYL										
4925989	USA		G	01JE1987	056509	15MY1990	78773	15NO2001	01JE2007	HSCC
Title: MTBE PREPARATION FROM ISOBUTYLENE/TBA AND METHANOL IN THE										
4939281	USA		G	19JE1989	368009	03J11990	80697	03JA2002	19JE2009	HSCC
Title: PROPYLENE EPOXIDATION: CATALYST BOTTOMS TREATED WITH AQUEOUS										
4971661	USA		G	20OC1989	424423	20NO1990	80739	20MY2002	20OC2009	HSCC
Title: PROPYLENE EPOXIDATION: EXTRACTIVE DISTILLATION OF METHANOL										

USA Patents and Applications For Client/Division: PO/MTBE
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Pat No.	City	Types	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner
4977285	USA	G	08DE1989	447934	11DE1990	80727	11JUE2002	08DE2009	HSCC	
Title: TERT.-BUTYL ALCOHOL RECOVERY FROM EPOXIDATION CATALYST										
4992566	USA	G	31AU1989	401381	12FE1991	80698	12AU2002	31AU2009	HSCC	
Title: PROPYLENE EPOXIDATION: A FALLING FILM EVAPORATOR TO RECOVER										
4992602	USA	G	29JA1990	471751	12FE1991	80830	12AU2002	29JA2010	HSCC	
Title: DECOMPOSITION RATE OF TERT.-BUTYL HYDROPEROXIDE TO										
5003112	USA	G	02JA1990	459607	26MR1991	80877	26SE2002	02JA2010	HSCC	
Title: TERTIARY AMYL METHYL ETHER (TAME) PREPARED FROM METHANOL AND										
5025113	USA	G	29JA1990	471450	18JUL1991	80684	18DE2002	29JA2010	HSCC	
Title: DECOMPOSITION OF TERT.-BUTYL HYDROPEROXIDE IN THE PRESENCE										
5081318	USA	G	04MR1991	663527	14JA1992	80990	14JUL1999	04MR2011	HSCC	
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTANOL AND										
5093506	USA	G	30AU1989	400901	03MR1992	80817	03SE1999	30AU2009	HSCC	
Title: REMOVAL OF ACIDIC CONTAMINANTS FROM TERTIARY BUTYL										
5093509	USA	G	20MY1991	702523	03MR1992	81002	03SE1999	20MY2011	HSCC	
Title: MOLYBDENUM CATALYST SOLUTION RECOVERED FROM PROPYLENE										
5099072	USA	P 01	G	16MR1990	494280	24MR1992	80733-C1D1	24SE1999	24MR2009	HSCC
Title: METHYL TERT.-BUTYL ETHER PREPARED IN ONE STEP BY REACTING										
5101052	USA	G	20MY1991	702521	31MR1992	80999	30SE1999	20MY2011	HSCC	
Title: MOLYBDENUM CATALYST SOLUTION RECOVERED FROM PROPYLENE										
5106458	USA	G	26JUL1991	736365	21AP1992	80956	21OC1999	26JUL2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY REMOVAL OF METHYL FORMATE USING										
5107067	USA	C 01	G	12MY1989	351512	21AP1992	80421-D1C1	21OC1999	21AP2009	HSCC
Title: REACTION OF PROPYLENE AND TERTIARY BUTYL ALCOHOL IN THE										
5116465	USA	G	01NO1991	786688	26MY1992	81120	26NO1999	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										
5116466	USA	G	01NO1991	786857	26MY1992	81114	26NO1999	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										

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Pat No.	City	Types	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner
5116467	USA	G	01NO1991	786680	26MY1992	81119	26NO1999	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										
5127997	USA	G	09MY1991	697385	07JUL1992	80919	07JUN2000	09MY2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY LIQUID-LIQUID EXTRACTION WITH AN										
5128492	USA	G	20MY1991	702522	07JUL1992	81003	07JUN2000	20MY2011	HSCC	
Title: MOLYBDENUM CATALYST SOLUTION RECOVERED FROM PROPYLENE										
5139622	USA	G	03OC1991	770493	18AUG1992	81112	18FEB2000	03OC2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										
5145561	USA	G	01NO1991	786855	08SEP1992	81118	08MAR2000	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										
5145563	USA	G	01NO1991	786687	08SEP1992	81116	08MAR2000	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										
5151530	USA	D 01	G	25SEP1991	765610	29SEP1992	80817-01	29MAR2000	29SEP2009	HSCC
Title: ACIDIC TERT.-BUTYL HYDROPEROXIDE/TERT. BUTYL ALCOHOL TREATED										
5154803	USA	G	01NO1991	787509	13OC1992	81115	13APR2000	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										
5154804	USA	G	01NO1991	786692	13OC1992	81117	13APR2000	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										
5157161	USA	G	09DEC1991	803834	20OC1992	81109	20APR2000	09DEC2011	HSCC	
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTANOL AND										
5157162	USA	G	25OC1991	783015	20OC1992	81096	20APR2000	25OC2011	HSCC	
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTANOL AND										
5157163	USA	G	03OC1991	770217	20OC1992	80979	20APR2000	03OC2011	HSCC	
Title: METHYL-TERT.-BUTYL ETHER PURIFIED FROM A MIXTURE CONTAINING										
5159122	USA	G	10FEB1992	833224	27OC1992	81077	27APR2000	10FEB2012	HSCC	
Title: METHYL TERT.-BUTYL ETHER (MTBE) PREPARED FROM TERT.-BUTANOL										
5160587	USA	G	01NO1991	786856	03NO1992	81113	03MAY2000	01NO2011	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH										

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Pat No.	City	Types	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner
5162592	USA		G	25NOV1991	796987	10NOV1992	81095	10MY2000	25NOV2011	HSCC
Title: ONE-STEP SYNTHESIS OF MTBE FROM T-BUTANOL USING										
5179052	USA	D 01	G	29NOV1991	819163	12JAN1993	80990-D1	12JUL2000	04MR2011	HSCC
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTANOL AND										
5183947	USA		G	19JUL1992	900999	02FEB1993	81157	02AUG2000	19JUL2012	HSCC
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTANOL AND										
5185480	USA		G	28JUL1992	920742	09FEB1993	81100	09AUG2000	28JUL2012	HSCC
Title: METHYL TERT.-BUTYL ETHER PREPARATION: PEROXIDES, E.G.,										
5191143	USA		G	10JUL1992	818931	02MAR1993	81032	02SEP2000	10JUL2012	HSCC
Title: ISOBUTYLENE PREPARED BY DEHYDRATION OF CRUDE TERT.-BUTYL										
5206424	USA		G	08SEP1992	941505	27APR1993	81203	27OCT2000	08SEP2012	HSCC
Title: TERT.-BUTANOL PREPARED BY THE CATALYTIC DECOMPOSITION OF										
5214217	USA	P 01	G	22JUL1992	917218	25MAY1993	80733-C1C1	25NOV2000	25MAY2010	HSCC
Title: METHYL T-BUTYL ETHER PREPARED IN ONE STEP BY REACTING										
5214218	USA		G	04MAY1992	878121	25MAY1993	81146	25NOV2000	04MAY2012	HSCC
Title: METHYL TERT.-BUTYL ETHER PREPARED FROM TERT.-BUTANOL AND										
5216182	USA		G	24AUG1992	933936	01JUL1993	81021	01DEC2000	24AUG2012	HSCC
Title: RECYCLE OF MOLYBDENUM EPOXIDATION CATALYST BY LIQUID PHASE										
5220078	USA		G	23JUL1992	917885	15JUL1993	81189	15DEC2000	23JUL2012	HSCC
Title: METHYL TERT.-BUTYL ETHER (MTBE) PROCESS: TERT.-BUTANOL.										
5232559	USA		G	18NOV1991	793902	03AUG1993	80993	03FEB2001	18NOV2011	HSCC
Title: ELECTROCHEMICAL METHOD TO RECOVER MOLYBDENUM CATALYST USED										
5236893	USA		G	08SEP1992	941503	17AUG1993	81204	17FEB2001	08SEP2012	HSCC
Title: TERT.-BUTANOL PREPARED BY DECOMPOSING TERT.-BUTYL										
5243083	USA		G	24JUL1992	918107	07SEP1993	80805	07MAR2001	24JUL2012	HSCC
Title: THERMOSPHERMIC REACTION OF OXYGEN WITH ISOBUTANE										
5243091	USA		G	19NOV1992	978570	07SEP1993	81086	07MAR2001	19NOV2012	HSCC
Title: METHYL TERT.-BUTYL ETHER (MTBE) PREPARED IN A SINGLE										

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Pat No.	City	Type	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner
5243100	USA	G	08SEP1992	941506	07SEP1993	01205	07MAR2001	08SEP2012	HSCC	
Title: TERT.-BUTANOL PREPARED BY DECOMPOSING TERT.-BUTYL.										
5243101	USA	G	12JUL1992	096859	07SEP1993	01121	07MAR2001	12JUL2012	HSCC	
Title: METHYL TERT.-BUTYL ETHER PREPARATION: DECOMPOSITION OF										
5254759	USA	G	12JUL1992	097695	19OCT1993	01101	19APR2001	12JUL2012	HSCC	
Title: METHYL TERT.-BUTYL ETHER PREPARATION: PEROXIDES, E.G.,										
5262017	USA	G	19APR1993	047910	16NOV1993	01136	16MY2001	19APR2013	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY FOUR-STAGE DISTILLATION PROCESS.										
5264132	USA	G	01JUL1992	091068	23NOV1993	01160	23MY2001	01JUL2012	HSCC	
Title: ALKALINE MATERIALS REMOVED FROM WATER USING SPENT ION										
5274138	USA	G	21JUL1993	006542	28DEC1993	01103	28JUL2001	21JUL2013	HSCC	
Title: MULTIPLE STAGE EPOXIDATION OF OLEFINS, E.G., PROPYLENE, WITH										
5286884	USA	G	24JUL1992	918108	15FEB1994	00804	15AUG2001	24JUL2012	HSCC	
Title: REACTOR DESIGN FOR LIQUID PHASE PROCESS FOR EPOXIDATION OF										
5290527	USA	G	05NOV1992	971741	01MAR1994	01045	01SEP2001	05NOV2012	HSCC	
Title: MOLYBDENUM CATALYST FROM PROPYLENE EPOXIDATION EFFLUENT										
5300697	USA	G	07DEC1992	986193	05APR1994	01085-C1	05OCT2001	16AUG2011	HSCC	
Title: METHYL TERT.-BUTYL ETHER (MTBE) PREPARED FROM TERT.-BUTANOL										
5313006	USA	G	21DEC1992	994015	17MY1994	01165	17NOV2001	21DEC2012	HSCC	
Title: METHYL TERT.-BUTYL ETHER AND ISOBUTYLENE COGENERATED BY										
5336790	USA	G	18NOV1993	154321	09AUG1994	01045-D1	09FEB2002	18NOV2013	HSCC	
Title: MOLYBDENUM CATALYST FROM PROPYLENE EPOXIDATION EFFLUENT										
5338890	USA	G	19JUL1993	92963	16AUG1994	01167	16FEB2002	19JUL2013	HSCC	
Title: METHYL TERT.-BUTYL ETHER (MTBE) PREPARED FROM TERT.-BUTANOL										
5340446	USA	G	23OCT1992	966001	23AUG1994	01149	23FEB2002	16AUG2009	HSCC	
Title: PROPYLENE OXIDE PURIFIED BY EXTRACTIVE DISTILLATION WITH A										
5345009	USA	G	12NOV1993	150913	06SEP1994	01237	06MAR2002	12NOV2013	HSCC	
Title: CONJOINT PRODUCTION OF DIETARY BUTYL PEROXIDE AND										

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5349072	USA	G	06JUL1993	85805	20SE1994	81153	20MR2002	06JUL2013	HSCC	
Title: PROPYLENE OXIDE/METHYL TERT.-BUTYL ETHER REACTOR WITH										
5352847	USA	G	27SE1993	126591	04OC1994	81200	04AP2002	27SE2013	HSCC	
Title: METHYL TERT.-BUTYL ETHER (MTBE) PREPARED FROM TERT.-BUTANOL										
5354430	USA	G	26OC1993	140995	11OC1994	81173	11AP2002	26OC2013	HSCC	
Title: PROPYLENE OXIDE/METHYL TERT.-BUTYL ETHER PROCESS: PROPYLENE										
5354433	USA	G	23SE1993	125276	11OC1994	81182	11AP2002	23SE2013	HSCC	
Title: PROPYLENE OXIDE/METHYL TERT.-BUTYL ETHER PROCESS: DRYING										
5354912	USA	G	01JEL1993	69482	11OC1994	81243	11AP2002	01JEL2013	HSCC	
Title: METHYL TERT.-BUTYL ETHER (MTBE) PROCESS: DIMETHYL ETHER										
5354917	USA	G	12NO1993	150914	11OC1994	81187	11AP2002	12NO2013	HSCC	
Title: TERT.-BUTANOL PREPARED FROM TERT.-BUTYL HYDROPEROXIDE USING										
5354925	USA	G	12NO1993	150920	11OC1994	81170	11AP2002	12NO2013	HSCC	
Title: TERT.-BUTANOL PREPARED BY DECOMPOSITION OF TERT.-BUTYL										
5359130	USA	G	12NO1993	150915	25OC1994	81186	25AP2002	12NO2013	HSCC	
Title: USE OF SUPPORTED PALLADIUM/PLATINUM CATALYSTS IN THE										
5364981	USA	G	08NO1993	148248	15NO1994	81262	15MY2002	08NO2013	HSCC	
Title: ONE STEP SYNTHESIS OF METHYL T-BUTYL ETHER FROM T-BUTANOL										
5364988	USA	G	12NO1993	151235	15NO1994	81185	15MY2002	12NO2013	HSCC	
Title: TERT.-BUTANOL PREPARED FROM TERT.-BUTYL HYDROPEROXIDE USING										
5386065	USA	G	21DE1993	170963	31JUL1995	81248	31JUL2002	21DE2013	HSCC	
Title: METHYL TERT.-BUTYL ETHER MANUFACTURE: USE OF A SECOND STAGE										
5387721	USA	G	21DE1993	170849	07FE1995	81256	07AUG2002	21DE2013	HSCC	
Title: METHYL TERT.-BUTYL ETHER PRODUCTION: USE OF A FINISHING										
5387722	USA	G	23SE1993	125271	07FE1995	81270	07AUG2002	23SE2013	HSCC	
Title: METHYL TERT.-BUTYL ETHER (MTBE) OR ETHYL TERT.-BUTYL ETHER										
5387723	USA	G	12JUL1994	181143	07FE1995	81306	07AUG2002	12JUL2014	HSCC	
Title: METHYL TERT.-BUTYL ETHER (MTBE) AND ISOBUTYLENE PREPARED										

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5395980	USA	G	21MR1994	215448	07MR1995	01132	07SE2002	21MR2014	HSCC	
Title: TERT.-BUTYL HYDROPEROXIDE AND TERT.-BUTYL ALCOHOL PREPARED										
5395982	USA	G	05NO1993	147508	07MR1995	01181	07SE2002	05NO2013	HSCC	
Title: PROPYLENE OXIDE/METHYL TERT.-BUTYL ETHER PROCESS:										
539777	USA	G	21MR1994	215148	21MR1995	01147	21SE2002	21MR2014	HSCC	
Title: ISOBUTANE PEROXIDATION INITIATED BY TERT.-BUTYL										
539794	USA	G	12NO1993	150912	21MR1995	01231	21SE2002	12NO2013	HSCC	
Title: TERT.-BUTYL ALCOHOL PREPARED FROM TERT.-BUTYL HYDROPEROXIDE										
5401889	USA	G	15DE1993	150916	28MR1995	01236	28SE2002	15DE2013	HSCC	
Title: CONTINUOUS TERT.-BUTYL ALCOHOL MANUFACTURE BY RECYCLING THE										
5410077	USA	G	08NO1993	148226	25AP1995	01154	25OC2002	08NO2013	HSCC	
Title: CONTROLLED-EPOXIDATION OF PROPYLENE										
5414141	USA	G	12NO1993	150919	09MY1995	01135	09NO2002	21MR2012	HSCC	
Title: USE OF SUPPORTED PALLADIUM CATALYSTS IN THE PREPARATION OF										
5414145	USA	G	11AU1994	288842	09MY1995	01178	09NO2002	11AU2014	HSCC	
Title: TERT.-BUTANOL PREPARED FROM ISOBUTANE VIA OXIDATION WITH										
5414162	USA	G	12NO1993	150917	09MY1995	01238	09NO2002	28MR2012	HSCC	
Title: USE OF PENTAGONALLY SUPPORTED PALLADIUM CATALYST IN THE										
5414163	USA	G	12NO1993	150918	09MY1995	01184	09NO2002	28MR2012	HSCC	
Title: TERT.-BUTANOL PREPARED FROM TERT.-BUTYL HYDROPEROXIDE USING										
5430198	USA	G	08NO1993	148244	04JUL1995	01273	04JA2003	08NO2013	HSCC	
Title: DIISOPROPYL ETHER (DIPE) AND METHYL TERT. BUTYL ETHER (MTBE)										
5436375	USA	G	26AU1994	296633	25JUL1995	01265	25JA2003	26AU2014	HSCC	
Title: PEROXIDATION OF ISOBUTANE WITH OXYGEN IN A VERTICAL REACTOR.										
5436376	USA	G	11AU1994	288841	25JUL1995	01179	25JA2003	11AU2014	HSCC	
Title: TERT.-BUTANOL PREPARED FROM ISOBUTANE VIA OXIDATION AND										
5449838	USA	G	30DE1993	175450	12SE1995	01305	12MR2003	04JUL2012	HSCC	
Title: ISOPROPYL TERT.-BUTYL ETHER (IPTBE) PREPARED ALONE OR IN										

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 USA Patents and Applications for Client/Division: FO/MTBE
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5449039	USA	C	G	22JUL1994	279057	12SEP1995	01264-C1	12MAR2003	06MY2013	HSCC
Title:ETHYL TERT.-BUTYL ETHER (ETBE) PREPARED IN ONE STEP FROM										
5453160	USA	C	G	31MY1994	251151	26SEP1995	01309	26MAR2003	31MY2014	HSCC
Title:METHYL TERT.-BUTYL ETHER/PROPYLENE OXIDE PROCESS: PROPYLENE										
5457243	USA	G	G	23DEC1993	172345	10OCT1995	01303	10APR2003	23DEC2013	HSCC
Title:METHYL TERT.-BUTYL ETHER/PROPYLENE OXIDE PROCESS: CRUDE										
5464504	USA	C	G	31MY1994	251158	07NOV1995	01307	07MY2003	26SEP2012	HSCC
Title:USE OF PROPYLENE OXIDE ADDUCTS IN THE PURIFICATION OF										
5488178	USA	G	G	08MAR1995	401107	30JAN1996	02087	30JUL1999	08MAR2015	HSCC
Title:TERTIARY BUTYL PEROXIDE PREPARATION FROM TERTIARY BUTYL										
5488179	USA	G	G	08MAR1995	401108	30JAN1996	02087-1	30JUL1999	08MAR2015	HSCC
Title:TERTIARY BUTYL PEROXIDE PREPARATION FROM TERTIARY BUTYL										
5489366	USA	G	G	28MAR1994	219043	06FEB1996	01124	06AUG1999	28MAR2014	HSCC
Title:RECOVERY OF PURIFIED AND SUBSTANTIALLY ANHYDROUS PROPYLENE										
5527970	USA	G	G	02FEB1995	382707	18JUL1996	01423	18DEC1999	23SEP2013	HSCC
Title:SYNTHESIS OF ETHYL T-BUTYL ETHER FROM T-BUTANOL IN ONE STEP										
5550300	USA	G	G	30DEC1994	338725	27AUG1996	01317	27FEB2000	08NOV2013	HSCC
Title:GRADIENT CATALYST SYSTEM FOR THE INTEGRATED PRODUCTION OF										
5563301	USA	G	G	28NOV1994	345663	08OCT1996	02040	08APR2000	28NOV2014	HSCC
Title:SEQUENTIAL REACTION OF TBA AND ISOBUTYLENE WITH METHANOL.										
5565068	USA	C	G	16JUL1995	490927	15OCT1996	01151-C1	15APR2000	28FEB2014	HSCC
Title:ENERGY CONSERVATION DURING PLURAL STAGE DISTILLATION										
5576464	USA	G	G	08AUG1995	512585	19NOV1996	02045	19MY2000	08AUG2015	HSCC
Title:REMOVAL OF METHANOL FROM METHYL TERTIARY BUTYL ETHER										
5583266	USA	C	G	02MY1994	236807	10DEC1996	01304	10JUN2000	02MY2014	HSCC
Title:INTEGRATED PROCESS FOR THE PRODUCTION OF ISOPROPYL ALCOHOL										
5616217	USA	G	G	17AUG1995	516030	01APR1997	02083	01OCT2000	17AUG2015	HSCC
Title:MTBE PROCESS : CONTROLLED ALKALI TREATMENT TO NEUTRALIZE THE										

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5616814	USA		G	17AUG1995	516173	01AP1997	82053	01OCT2000	17AUG2015	HSCC
Title:MTBE PROCESS : WASHING THE LOWER BOILING FRACTION OF AN MTBE										
5620568	USA		G	03JUL1996	659975	15AP1997	82131	15OCT2000	03JUL2016	HSCC
Title:EXTRACTIVE DISTILLATION OF PROPYLENE OXIDE USING PROPANOL										
5637778	USA		G	08AUG1994	287451	10JUL1997	81318	10DEC2000	08AUG2014	HSCC
Title:PO/MTBE : ISOPROPYL ALCOHOL AND ETHERS PRODUCTION FROM CRUDE										
5639355	USA		G	13MAY1995	403021	17JUL1997	81171	17DEC2000	13MAY2015	HSCC
Title:METHYL TERT.-BUTYL ETHER PROCESS: TERT.-BUTANOL RECOVERED										
5659091	USA		F	07JUL1995	372725	19AUG1997	81148-C1	19FEB2001	19AUG2014	HSCC
Title:REMOVAL OF METHANOL FROM METHYL TERT.-BUTYL ETHER USING										
5663454	USA		G	08AUG1995	512723	02SEP1997	82054	02MAR2001	08AUG2015	HSCC
Title:MTBE/DIMETHYL ETHER PURIFICATION FROM METHANOL AND										
5704422	USA		G	19MAY1995	445041	06JUL1998	81294	06JUL2001	19MAY2015	HSCC
Title:SHROUDED HEAT EXCHANGER										
5705711	USA		G	17AUG1995	516228	06JUL1998	82055	06JUL2001	17AUG2015	HSCC
Title:MANUFACTURE OF MTBE IN REACTIVE DISTILLATION COLUMN										
5716896	USA		D	29NOV1994	346449	10FEB1998	81306-D1	10AUG2001	10FEB2015	HSCC
Title:ONE STEP SYNTHESIS OF MTBE FROM T-BUTANOL USING BETA ZEOLITE										
5723698	USA		G	18DEC1995	573822	03MAY1998	92129	03SEP2001	18DEC2015	HSCC
Title:CATALYTIC DECOMPOSITION OF FORMATE IMPURITIES IN TERTIARY										
5736112	USA		G	08MAY1995	436538	07APR1998	82088	07OCT2001	08MAY2015	HSCC
Title:AQUEOUS OXIDATION OF ORGANIC MOLYBDENUM COMPOUNDS										
5741951	USA		G	30DEC1996	776204	21APR1998	82042-C1	21OCT2001	03AUG2015	HSCC
Title:CONJOINT MANUFACTURE OF MTBE AND DIISOBUTYLENE										
5741952	USA		P 01	G	11JUL1993	002563	21APR1998	81063-C1	21APR2015	HSCC
Title:CATALYTIC DECOMPOSITION OF PEROXIDES TO PURIFY AN MTBE										
5741953	USA		G	17AUG1995	516039	21APR1998	82047	21OCT2001	17AUG2015	HSCC
Title:USE OF REACTIVE DISTILLATION IN THE MANUFACTURE OF MTBE										

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Pat No.	City	Types	Status	App Date	App No	Grant Dt	Docket No.	Nxt Tax Dt	Exp Dt	Current Owner
5744652	USA		G	10MR1997	815984	28AP1998	92131	28OC2001	10MR2017	HSCC
Title: IMPROVED METHOD FOR THE MANUFACTURE OF MTBE FROM TERTIARY										
5763685	USA		G	17AU1995	516227	09JUL1998	81248-1	09DEC2001	17AUG2015	HSCC
Title: USE OF A SECOND STAGE REACTOR IN THE MANUFACTURE AND										
5772854	USA		G	17AU1995	516374	30JUL1998	81310	30DEC2001	31MY2014	HSCC
Title: USE OF PAIRED REBOILERS IN THE PURIFICATION OF PROPYLENE										
5773634	USA		G	18NO1996	749190	30JUL1998	82159	30DEC2001	18NO2016	HSCC
Title: TERTIARY BUTYL ALCOHOL ABSORPTION PROCESS FOR RECOVERING										
5789627	USA		G	20FEB1997	802746	04AUG1998	82169	04FEB2002	20FEB2017	HSCC
Title: METHOD FOR THE PURIFICATION OF TERTIARY BUTYL ALCOHOL AND										
5792890	USA		G	03FEB1997	792033	11AUG1998	92132	11FEB2002	03FEB2017	HSCC
Title: METHOD FOR PURIFICATION OF TERTIARY BUTYL ALCOHOL FOR USE IN										
5811597	USA		G	26AUG1996	703269	22SEP1998	82021	22MAR2002	26AUG2016	HSCC
Title: IMPROVED METHOD FOR THE MANUFACTURE OF MTBE FROM TERTIARY										
5811620	USA		G	03JUL1996	657118	22SEP1998	82180	22MAR2002	03JUL2016	HSCC
Title: USE OF REACTIVE DISTILLATION IN THE DEHYDRATION OF TERTIARY										
5830324	USA		F	14OCT1996	733696	03NOV1998	81316-C1	03MY2002	26SEP2012	HSCC
Title: CONTROLLED CONTINUOUS PURIFICATION OF PROPYLENE OXIDE BY										
5856588	USA		P	30DEC1996	774339	01JAN1999	92098-C1	01JUL2002	14NOV2014	HSCC
Title: TWO STAGE ETHERIFICATION OF TERTIARY BUTYL ALCOHOL USING										

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USA Patents and Applications for Client/Division: Oxides & Glycols

Date of Report: 30MR1999

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
75880	USA	G		12JA1981	224412	12JL1983	4393254		12JA2001
Title: ETHYLENE GLYCOL PREPARED BY HYDROLYZING ETHYLENE OXIDE IN TH									
						Attorney: KRP		Client/Division: O&G	Agent:
						Owner: HPET			
81424	USA	G		16JL1997	895286	25AU1998	5798412	25FE2002	16JL2017
Title: ALKYLENE GLYCOL PRODUCTION USING ACTIVATED CARBON CATALYSTS									
						Attorney: AMD		Client/Division: O&G	Agent:
						Owner: HPET			

THIS ASSIGNMENT is made the 30th of June , 1999

BETWEEN:-

- (1) HUNTSMAN SPECIALTY CHEMICALS CORPORATION, a corporation incorporated under the laws of Delaware whose principal office is at 500 Huntsman Way, Salt Lake City, Utah, USA (the "Assignor"); and
- (2) HUNTSMAN ICI CHEMICALS, LLC, a limited liability company formed under the laws of Delaware, whose principal place of business is at 500 Huntsman Way, Salt Lake City, Utah, USA (the "Assignee").

WHEREAS:

- (A) The Assignor is the registered proprietor of the patents and applicant for registration of the patent applications, details of which are set out in the Schedule hereto (the "Patents").
- (B) The Assignor has agreed to assign the Patents to the Assignee.

NOW IT IS HEREBY AGREED as follows:-

1. ASSIGNMENT

For good and valuable consideration (receipt of which is hereby acknowledged), the Assignor hereby assigns to the Assignee all its right, title and interest in and to the Patents including all rights, privileges and advantages attaching thereto to hold unto the Assignee absolutely for the full term of the Patents and to the intent that the Assignee shall (i) be absolutely entitled to any patent granted on any of the patent applications for the full term of such patents; and (ii) have the right to apply for, prosecute and obtain patents or like protection throughout the world for any invention embodied by any of such applications, including the right to claim priority from such applications together with the right to sue for past infringements and retain any award of damages or costs made, to hold unto the Assignee absolutely.

2. FURTHER ASSURANCE

The Assignor shall, on being required to do so by the Assignee and at the cost and expense of the Assignee, now or at any time in the future, execute all such documents (including obtaining notarisations and other necessary attestations) and all such further acts, as the Assignee may reasonably consider necessary for giving full effect to this Assignment and securing to the Assignee the full benefit of the rights in this Assignment.

3. GOVERNING LAW AND JURISDICTION

- 3.1 This Assignment shall be governed by and construed in accordance with English law.

- 3.2 The English courts are to have jurisdiction to settle any disputes arising out of or in connection with this Agreement. Any proceeding, suit or action arising out of or in connection with this Agreement ("Proceedings") may therefore be brought in the English courts. The jurisdiction agreement is irrevocable and is for the exclusive benefit of the Assignee. Nothing in this clause shall limit the right of the Assignee to take Proceedings against the Assignor in any other court or in the courts of more than one jurisdiction at the same time.

IN WITNESS WHEREOF this Assignment has been executed by or on behalf of the parties hereto on the date first above written.

SCHEDULE

SIGNED by

for and on behalf of

HUNTSMAN SPECIALTY CHEMICALS CORPORATION

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SIGNED by

for and on behalf of

HUNTSMAN ICI CHEMICALS, LLC

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