

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4972598

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PHILLIPS 66 COMPANY	01/06/2014
RECEIVING PARTY DATA		
Name:	PHILLIPS SPECIALTY PRODUCTS INC.	
Street Address:	2000 WEST SAM HOUSTON PKWY S. SUITE 400	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77042-3615	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15210918
CORRESPONDENCE DATA		
Fax Number:	(713)623-4846	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	713-623-4844	
Email:	CFortier@pattersonsheridan.com, psdocketing@pattersonsheridan.com	
Correspondent Name:	PATTERSON & SHERIDAN, L.L.P.	
Address Line 1:	24 GREENWAY PLAZA, SUITE 1600	
Address Line 4:	HOUSTON, TEXAS 77046	
ATTORNEY DOCKET NUMBER:	LSPI/34263USC1	
NAME OF SUBMITTER:	JASON C. HUANG	
SIGNATURE:	/Jason C. Huang/	
DATE SIGNED:	05/22/2018	
Total Attachments: 40		
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ASSIGNMENT OF PATENTS

This Assignment of Patents, dated as of December 30, 2013 (this "Patent Assignment"), is made by and between PHILLIPS 66 COMPANY, a Delaware corporation ("Assignor"), and PHILLIPS SPECIALTY PRODUCTS INC., a Delaware corporation ("Assignee").

WITNESSETH:

WHEREAS, Assignee is a party to that certain Exchange Agreement, dated as of December 30, 2013 (the "Exchange Agreement"), by and among Berkshire Hathaway Inc., a Delaware corporation ("Berkshire Hathaway"), National Indemnity Company, a Nebraska corporation, Government Employees Insurance Company, a Maryland corporation, National Fire & Marine Insurance Company, a Nebraska corporation, GEICO Corporation, a Delaware corporation, each a wholly owned subsidiary of Berkshire Hathaway, Phillips 66, a Delaware corporation and the sole shareholder of Assignor ("Phillips 66"), Assignor, and Assignee;

WHEREAS, Assignor and Assignee are party to that certain Intellectual Property Assignment Agreement, dated as of December 30, 2013 (the "IP Assignment Agreement");

WHEREAS, pursuant to the IP Assignment Agreement, Assignor is assigning all of its right, title and interest in, to and under the Intellectual Property Assets to Assignee (the "Assignment"), including the issued patents and patent applications set forth on Schedule 1 hereto (collectively, the "Patents");

WHEREAS, the Assignment is subject to, and consistent with, certain rights granted by Phillips 66 to ConocoPhillips under that certain Intellectual Property Assignment and License Agreement, dated as of April 26, 2012, by and between ConocoPhillips and Phillips 66 (the "License Agreement"); and

WHEREAS, pursuant to the Exchange Agreement, Phillips 66 has agreed to use commercially reasonable efforts to terminate the rights granted to ConocoPhillips under the License Agreement related to the Intellectual Property Assets, as provided in Section 6.16 of the Exchange Agreement.

NOW, THEREFORE, in consideration of the mutual covenants set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. Defined Terms. Capitalized terms used but not defined herein shall have the meanings given to such terms in the Exchange Agreement.

2. Transfer. Assignor hereby assigns, transfers and grants to Assignee, and Assignee hereby accepts such assignment, transfer, and grant of, all of Assignor's right, title and undivided interest in, to and under the following:

(a) the Patents and any patents that may issue from such Patents, and any foreign counterparts or equivalents thereto, and any divisions, continuations, continuations-in-

part, reexaminations, renewals and reissues of such Patents, including the right to claim priority (collectively, the "Patents and Patent Derivatives"), the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the end of the term or terms for which said Patents are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made;

(b) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to the Patents and Patent Derivatives; and

(c) any and all past, present, and future claims with respect to the Patents and Patent Derivatives, including all rights to any legal, equitable, and administrative remedies resulting from such claims.

3. Recordation. Assignor hereby authorizes and requests the Commissioner of Patents at the United States Patent and Trademark Office, and any foreign patent authorities (where permissible under Law), to record this Patent Assignment. The parties to this Patent Assignment shall cooperate to facilitate the recording of all documents of transfer or assignment relating to the assignment of the Patents hereunder in accordance with Section 6.11(c) of the Exchange Agreement.

4. Effective Time of Transfer. This Assignment shall be effective immediately prior to the Internal Distribution.

5. Effect on License Agreement. Assignor and Assignee acknowledge and agree that nothing in this Patent Assignment shall change, alter, limit or reduce any rights granted to ConocoPhillips under the License Agreement, and Assignee accepts the assignment of the Patents hereunder subject to the License Agreement.

6. Effect on IP Assignment Agreement. Assignor and Assignee acknowledge and agree that nothing in this Patent Assignment shall change, alter, limit or reduce any rights granted to Assignee under the IP Assignment Agreement.

7. Notices. All notices, requests and other communications to either party hereto shall be in writing (including facsimile transmission) and shall be given:

If to Assignor, to:

Phillips 66 Company
3010 Briarpark Drive, 8th Floor
Houston, Texas 77042
Attention: Chief IP Counsel
Facsimile: 832-765-0109

If to Assignee, to:

Phillips Specialty Products Inc.
3010 Briarpark Drive, 8th Floor

Houston, Texas 77042
Attention: Michael W. Brown
Facsimile: 832-765-0311

or to such other address or facsimile number as such party may hereafter specify for the purpose by notice to the other party.

8. Captions and Headings. The captions herein are included for convenience of reference only and shall be ignored in the construction or interpretation hereof.

9. Successors and Assigns. This Patent Assignment shall be binding upon, inure to the benefit of and be enforceable by the parties hereto and their respective successors and assigns.

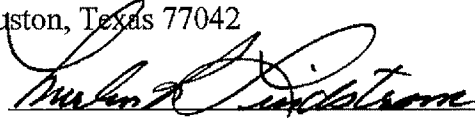
10. Counterparts. This Patent Assignment may be executed in two or more counterparts, all of which shall be considered the same agreement. Signature pages from separate identical counterparts may be combined with the same effect as if the parties signing such signature page had signed the same counterpart. Subject to Section 4 hereof, this Patent Assignment shall become effective when each party hereto shall have received counterparts hereof signed by all of the other parties hereto.

11. Governing Law. This Patent Assignment shall be governed by, and construed in accordance with, the Laws of the State of Delaware applicable to agreements made and to be performed entirely within such State, without regard to the conflicts of law principles of such State.

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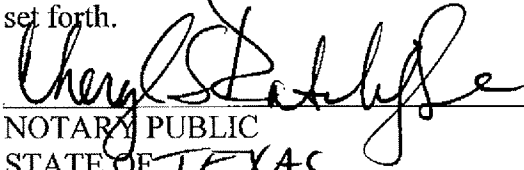
IN WITNESS WHEREOF, the parties hereto have executed this Patent Assignment on the date first above written.

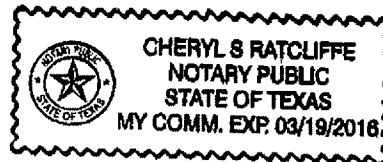
PHILLIPS 66 COMPANY
3010 Briarpark Drive, 8th Floor
Houston, Texas 77042

By:  *RL*
Name: Merlin R. Lindstrom
Title: Vice President of Technology

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §
§

On this 6th day of January, 2014, before me personally appeared Merlin R. Lindstrom, known by me personally as the individual who executed the foregoing agreement, and who acknowledged to me that he executed the same of his/her own free will for the purposes therein set forth.


NOTARY PUBLIC
STATE OF TEXAS

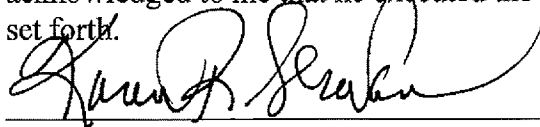


PHILLIPS SPECIALTY PRODUCTS INC.
3010 Briarpark Drive, 8th Floor
Houston, Texas 77042

By:  *MB*
Name: Michael W. Brown
Title: President, Phillips Specialty Products, Inc.

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §
§

On this 6th day of JANUARY, 2014, before me personally appeared Michael W. Brown, known by me personally as the individual who executed the foregoing agreement, and who acknowledged to me that he executed the same of his/her own free will for the purposes therein set forth.


NOTARY PUBLIC
STATE OF TEXAS



[Signature Page to Patent Assignment]

Schedule 1

List of Issued Patents and Pending Patent Applications

[See attached.]

CHIEF OF BUREAU
BUREAU OF PATENTS
WASHINGTON, D.C.
JANUARY 1, 1900

SCHEDULE 1

List of Issued Patents and Pending Patent Applications

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Algeria	Patent Cooperation Treaty	12/10/2007	090181			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
Algeria	Patent Cooperation Treaty	10/28/2009	110358			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company
Algeria	Patent Cooperation Treaty	05/19/2013	130301			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Algeria	Patent Cooperation Treaty	12/09/2009	110484			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	Phillips 66 Company
Angola	Patent Cooperation Treaty	05/16/2013	2460			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Angola	National	12/30/2005	838			EMULSION POLYMERIZATION-PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Angola	National	07/25/2007	1124			HYDRATE INHIBITED LATEX FLOW IMPROVER FOR USE IN SUB-SEA PETROLEUM PIPELINES	Phillips 66 Company
Angola	National	12/12/2007	1211			DRAG REDUCTION OF HEAVY CRUDE OILS	Phillips 66 Company
Angola	National	10/26/2007	1278			DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company
Angola	Patent Cooperation Treaty	10/28/2009	1.865			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company
Argentina	National	11/16/2011	20110104283			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Argentina	National	12/26/2005	P050105536	06/25/2012	AR 053531 B1	EMULSION POLYMERIZATION-PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	Phillips 66 Company
Argentina	National	12/17/2009	2009 01 04963			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	CONOCOPHILLIPS CO
Argentina	National	01/28/2010	20110100277			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	CONOCOPHILLIPS CO

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Argentina	National	06/17/1994	328547	02/10/1999	AR253113 V1	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Conoco Inc.
Argentina	National	03/21/1996	P960101842	02/18/2000	AR001381 B1	A PROCESS FOR IMPROVING FLOW OF A FLOWING STREAM COMPRISED OF HYDROCARBONS AND A STABLE NONAGGLOMERATING SUSPENSION SUITABLE FOR CARRYING OUT SAID PROCESS	Conoco Inc.
Argentina	National	10/13/1997	970104704	07/19/2005	AR009972B1	NON-AQUEOUS DRAG REDUCING SUSPENSIONS Proposed new title: A NONAQUEOUS HEAT STABLE, NON-AGGLOMERATING SUSPENSION FOR REDUCING DRAG IN FLOWING THROUGH CONDUITS AND METHOD FOR PRODUCING THE SAME.	CONOCO INC
Argentina	National	09/30/2002	020103699	11/08/2007	AR037241B1	POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Conoco Inc.

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Australia	Patent Cooperation Treaty	12/19/2005	2005323129	09/15/2011	2005323129	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
Australia	Patent Cooperation Treaty	12/19/2005	2005325718	09/01/2011	2005325718	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
Austria	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963		Phillips 66 Company
Azerbaijan	Eurasian Patent Convention	12/19/2005	200701414	12/30/2010	014587	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
Azerbaijan	PCT/Eurasian Patent Convention	09/12/1997	EA199900372	04/23/2001	001538	NON-AQUEOUS DRAG REDUCING SUSPENSIONS Title proposed by Examiner for patent grant: NONAQUEOUS SUSPENSIONS REDUCING DRAG IN HYDROCARBONS FLOWING THROUGH CONDUITS	Conoco Inc.
Azerbaijan	PCT/Eurasian Patent Convention	12/19/2005	200701413	02/26/2010	013163	LATEX DRAG REDUCING FRICTION LOSSES, RESULTING FROM TURBULENT FLUID FLOW THROUGH A CONDUIT AND A METHOD OF MAKING THEREOF	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Belarus	PCT/Eurasian Patent Convention	09/12/1997	EA199900372	04/23/2001	001538	NON-AQUEOUS DRAG REDUCING SUSPENSIONS Title proposed by Examiner for patent grant: NONAQUEOUS SUSPENSIONS REDUCING DRAG IN HYDROCARBONS FLOWING THROUGH CONDUITS	Conoco Inc.
Belarus	PCT/Eurasian Patent Convention	12/19/2005	200701413	02/26/2010	013163	LATEX DRAG REDUCING FRICTION LOSSES, RESULTING FROM TURBULENT FLUID FLOW THROUGH A CONDUIT AND A METHOD OF MAKING THEREOF	Phillips 66 Company
Belgium	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company
Bolivia	National	01/20/2011	SP-0024-2011			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
Brazil	Patent Cooperation Treaty	11/02/2011	1120130120932			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company

PATENT

REEL: 046211 FRAME: 0115

#4436545

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Brazil	Patent Cooperation Treaty	12/19/2005	PI0517730-8			EMULSION POLYMERIZATION- PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	Phillips 66 Company
Brazil	Patent Cooperation Treaty	07/20/2007	PI0715060-1			HYDRATE INHIBITED LATEX FLOW IMPROVER	CONOCOPHILLIPS CO
Brazil	Patent Cooperation Treaty	07/30/2008	PI 0818704-5			HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	ConocoPhillips CO
Brazil	Patent Cooperation Treaty	12/10/2007	PI 0714719-8			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
Brazil	Patent Cooperation Treaty	10/28/2008	PI 0821931-1			CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Brazil	Patent Cooperation Treaty	07/31/2008	PI0807980-3			DISPERSE NON- POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company
Brazil	Patent Cooperation Treaty	10/28/2009	PI 0921634-0			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company
Brazil	Patent Cooperation Treaty	06/23/2009	PI 0916549-5			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	CONOCOPHILLIPS CO
Brazil	Patent Cooperation Treaty	12/09/2009	PI 0923381-4			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Brazil	Patent Cooperation Treaty	01/26/2011	BR112012 0197045			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
Brazil	National	05/27/1994	PI9405531-9	03/18/2003	PI9405531-9	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	CONOCO INC
Brazil	National	09/12/1997	PI9711926-1	10/25/2005	P-223/99	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	CONOCO INC.
Brazil	Patent Cooperation Treaty	12/19/2005	PI0517729-4			SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER EMULSION	Phillips 66 Company
Brazil	National	09/27/2002	PI0213054-8			POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	CONOCOPHILLIPS CO
Canada	Patent Cooperation Treaty	11/02/2011	2817325			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Canada	Patent Cooperation Treaty	12/19/2005	2586402	03/30/2010	2586402	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
Canada	Patent Cooperation Treaty	07/20/2007	2650876			HYDRATE INHIBITED LATEX FLOW IMPROVER	Phillips 66 Company
Canada	Patent Cooperation Treaty	07/30/2008	2702759	06/18/2013	2702759	HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	PHILLIPS 66 CO

PATENT

REEL: 046211 FRAME: 0117

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Canada	Patent Cooperation Treaty	12/10/2007	2657755	11/08/2011	2657755	DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
Canada	Patent Cooperation Treaty	10/28/2008	2714384			CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Canada	Patent Cooperation Treaty	07/31/2008	2679848	03/19/2013	2679848	DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company
Canada	Patent Cooperation Treaty	10/28/2009	2741849	01/08/2013	2741849	DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company
Canada	Patent Cooperation Treaty	06/23/2009	2732289			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	Phillips 66 Company
Canada	Patent Cooperation Treaty	12/09/2009	2747408			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	Phillips 66 Company
Canada	Patent Cooperation Treaty	01/26/2011	2788092			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	PHILLIPS 66 COMPANY
Canada	National	05/27/1994	2135932	05/14/2002	2135932	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	CONOCO INC
Canada	National	03/08/1996	2247100	07/31/2007	2247100	IMPROVED SLURRY DRAG REDUCER	Phillips 66 Company
Canada	National	09/12/1997	2266953	10/28/2003	2266953	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Canada	Patent Cooperation Treaty	11/27/2001	2429939	04/26/2011	2429939	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Canada	Patent Cooperation Treaty	12/19/2005	2586695	01/24/2012	2586695	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
Canada	Patent Cooperation Treaty	09/27/2002	2444015	07/29/2008	2444015	ULTRA HIGH MOLECULAR WEIGHT POLYOLEFIN USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Phillips 66 Company
China P.R.	Patent Cooperation Treaty	11/02/2011	201180055135.2			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
China P.R.	Patent Cooperation Treaty	12/19/2005	ZL 2005 8 0045441.2	01/26/2011	ZL 2005 8 0045441.2	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
China P.R.	Patent Cooperation Treaty	07/30/2008	200880113198.7	10/17/2012	200880113198.7	HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	Phillips 66 Company
China P.R.	Patent Cooperation Treaty	12/10/2007	200780028557.4	05/15/2013	CN 101495606B	DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
China P.R.	Patent Cooperation Treaty	10/28/2008	200880128858.5			CORE-SHELL FLOW IMPROVER	CONOCOPHILLIPS CO
China P.R.	Patent Cooperation Treaty	07/31/2008	200880013601.9	12/12/2012	ZL200880013601.9	DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
China P.R.	Patent Cooperation Treaty	10/28/2009	200980143884.3			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	CONOCOPHILLIPS CO
China P.R.	Patent Cooperation Treaty	06/23/2009	200980136439.4			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	CONOCOPHILLIPS CO
China P.R.	Patent Cooperation Treaty	12/09/2009	200980151219.9			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	CONOCOPHILLIPS CO
China P.R.	Patent Cooperation Treaty	01/26/2011	201180007467.3			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	PHILLIPS 66 COMPANY
China P.R.	National	05/27/1994	94190392.3	10/12/2005	ZL94190392.3	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	CONOCO INC
China P.R.	National	09/12/1997	97198835.8	02/04/2005	97198835.8	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	CONOCO INC
China P.R.	Patent Cooperation Treaty	12/19/2005	ZL200580045453.5	09/05/2012	200580045453.5	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
China P.R.	National	09/27/2002	02811157.5	06/27/2007	ZL02811157.5	POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Phillips 66 Company
Colombia	Patent Cooperation Treaty	07/20/2007	09019700			HYDRATE INHIBITED LATEX FLOW IMPROVER	CONOCOPHILLIPS COMPANY

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Colombia	Patent Cooperation Treaty	07/30/2008	09099587	07/25/2013	43099	DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	CONOCOPHILLIPS CO
Colombia	Patent Cooperation Treaty	12/10/2007	09009366			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	CONOCOPHILLIPS COMPANY
Colombia	Patent Cooperation Treaty	10/28/2008	10113388			A FLOW IMPROVER COMPRISING A PLURALITY OF CORE-SHELL PARTICLES THAT CAN BE FORMED BY EMULSION POLYMERIZATION	CONOCOPHILLIPS COMPANY
Colombia	Patent Cooperation Treaty	07/31/2008	10060295			HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	CONOCOPHILLIPS CO
Colombia	Patent Cooperation Treaty	10/28/2009	11 052.731			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	CONOCOPHILLIPS CO
Colombia	Patent Cooperation Treaty	06/23/2009	11012493			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	CONOCOPHILLIPS CO
Colombia	Patent Cooperation Treaty	01/26/2011	12-105022			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
Colombia	National	06/16/1994	026.079	10/29/1999	26.094	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Conoco Inc.
Colombia	National	10/10/1997	97059665	01/30/2003	27513	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	CONOCO INC

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Colombia	Patent Cooperation Treaty	12/19/2005	07086010	07/29/2011	1355	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
Columbia	Patent Cooperation Treaty	11/02/2011	PCT/US2011/58904			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Denmark	Patent Cooperation Treaty	12/19/2005	2007 01099	02/18/2013	177363	EMULSION POLYMERIZATION-PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	Phillips 66 Company
Denmark	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Denmark	Patent Cooperation Treaty	05/27/1994	94920690.8	08/05/1998	EP0656018	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Phillips 66 Company
Denmark	European Patent Case	12/12/1997	97121905.0	05/10/2000	EP0840057	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION 25AP1997(CLAIM 11 - COMPOSITION CLAIM FROM EPC 92/106A) 19NO1997(CLAIMS 9 AND 10 OF PCT APP)	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Denmark	PCT/EPC Application	03/08/1996	96909608.0	12/10/2003	EP0885259	IMPROVED SLURRY DRAG REDUCER	Phillips 66 Company
Denmark	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company
Denmark	European Patent Case	11/27/2001	01997019.3	11/24/2008	1358231	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Denmark	PCT/EPC Application	12/19/2005	05857132.4-1218	02/22/2012	1844121	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
Ecuador	Patent Cooperation Treaty	05/15/2013	SP-13-12623			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Ecuador	Patent Cooperation Treaty	12/10/2007	09-9317			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
Ecuador	Patent Cooperation Treaty	10/28/2008	SP-10-10479			CORE-SHELL LATEX FLOW IMPROVER	ConocoPhillips Co
Ecuador	Patent Cooperation Treaty	07/31/2008	SP-09-9752			DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company
Ecuador	Patent Cooperation Treaty	10/28/2009	2011-11088			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Ecuador	Patent Cooperation Treaty	06/23/2009	SP-2011-10853			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	Phillips 66 Company
Ecuador	Patent Cooperation Treaty	01/28/2010	SP-12-12063			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
Ecuador	National	05/27/1994	SP-94-1103	09/23/1996	PI 96 1003	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Conoco Inc.
Ecuador	National	10/15/1997	SP-97-2284	04/11/2005	PI05-1810	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Conoco Inc.
Ecuador	Patent Cooperation Treaty	12/19/2005	SP-07-7565			MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
Eurasian Patent Convention	PCT/Eurasian Patent Convention	11/02/2011	PCT/US2011/58904			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Eurasian Patent Convention	PCT/Eurasian Patent Convention	12/19/2005	200701414	12/30/2010	014587	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
Eurasian Patent Convention	PCT/Eurasian Patent Convention	07/30/2008	201070528			HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	None listed, whole family is CONOCOPHILLIPS CO
Eurasian Patent Convention	PCT/Eurasian Patent Convention	12/10/2007	200970043			DRAG REDUCTION OF ASPHALATENIC CRUDE OILS	None listed but whole family is CONOCOPHILLIPS CO

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Eurasian Patent Convention	PCT/Eurasian Patent Convention	09/13/2010	201070960			CORE-SHELL LATEX FLOW IMPROVER	None listed but family is CONOCOPHILLIPS CO
Eurasian Patent Convention	PCT/Eurasian Patent Convention	07/31/2008	200971011			DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	None listed but whole family is CONOCOPHILLIPS CO
Eurasian Patent Convention	Eurasian Patent Convention	10/28/2009	201170626			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	None listed but whole family is CONOCOPHILLIPS CO
Eurasian Patent Convention	Eurasian Patent Convention	06/23/2009	201170275			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	None listed but whole family is CONOCOPHILLIPS CO
Eurasian Patent Convention	Eurasian Patent Convention	12/09/2009	201170833			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	None listed but whole family is CONOCOPHILLIPS CO
Eurasian Patent Convention	Eurasian Patent Convention	01/26/2011	201290707			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	PHILLIPS 66 COMPANY
Eurasian Patent Convention	PCT/Eurasian Patent Convention	09/12/1997	EA199900372	04/23/2001	001538	NON-AQUEOUS DRAG REDUCING SUSPENSIONS Title proposed by Examiner for patent grant: NONAQUEOUS SUSPENSIONS REDUCING DRAG IN HYDROCARBONS FLOWING THROUGH CONDUITS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Eurasian Patent Convention	PCT/Eurasian Patent Convention	12/19/2005	200701413	02/26/2010	013163	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER EMULSION	Phillips 66 Company
European Patent Convention	PCT/EPC Application	11/02/2011	118420678			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
European Patent Convention	PCT/EPC Application	07/30/2008	08782507.1			HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	CONOCOPHILLIPS CO
European Patent Convention	PCT/EPC Application	12/10/2007	07865449.8			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
European Patent Convention	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	CONOCOPHILLIPS CO
European Patent Convention	PCT/EPC Application	07/31/2008	EP 08796916.8			DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company
European Patent Convention	PCT/EPC Application	07/31/2008	EP 12156675.8			DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company
European Patent Convention	PCT/EPC Application	10/28/2009	09760369.0			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company
European Patent Convention	PCT/EPC Application	06/23/2009	EP09789884.5			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	Phillips 66 Company
European Patent Convention	PCT/EPC Application	12/09/2009	09793390.7	10/16/2013	2379936	DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
European Patent Convention	PCT/EPC Application	01/26/2011	11737595.6			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
European Patent Convention	PCT/EPC Application	11/27/2001	01997019.3	08/13/2008	1358231	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	CONOCOPHILLIPS CO
European Patent Convention	PCT/EPC Application	12/19/2005	EP12152173.6			MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
European Patent Convention	PCT/EPC Application	12/19/2005	EP12181641.7			MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
European Patent Convention	PCT/EPC Application	12/19/2005	05857132.4-1218	02/22/2012	1844121	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	CONOCOPHILLIPS CO
European Patent Convention	PCT/EPC Application	09/27/2002	02766386.3			ULTRA HIGH MOLECULAR WEIGHT POLYOLEFIN USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Phillips 66 Company
Finland	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Finland	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	ConocoPhillips Co

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
France	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
France	PCT/EPC Application	05/27/1994	94920690.8	08/05/1998	EP0656018	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Phillips 66 Company
France	European Patent Case	12/12/1997	97121905.0	05/10/2000	EP0840057	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION 25AP1997(CLAIM 11 - COMPOSITION CLAIM FROM EPC 92/106A) 19NO1997(CLAIMS 9 AND 10 OF PCT APP)	Phillips 66 Company
France	PCT/EPC Application	03/08/1996	96909608.0	12/10/2003	EP0885259	IMPROVED SLURRY DRAG REDUCER	Phillips 66 Company
France	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company
France	European Patent Case	11/27/2001	01997019.3	08/13/2008	EP 1358231 B1	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Georgia	Patent Cooperation Treaty	12/19/2005	100351/01	12/19/2005	P 4808	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Germany	Patent Cooperation Treaty	05/27/1994	EP0656018	08/05/1998	69412212.2	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Phillips 66 Company
Germany	European Patent Case	12/12/1997	EP0840057	04/12/2000	69424450.3	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION 25AP1997(CLAIM 11 - COMPOSITION CLAIM FROM EPC 92/106A) 19NO1997(CLAIMS 9 AND 10 OF PCT APP)	Phillips 66 Company
Germany	PCT/EPC Application	03/08/1996	EP0885259	12/10/2003	69631065.1	IMPROVED SLURRY DRAG REDUCER	Phillips 66 Company
Germany	European Patent Case	09/12/1997	EP0932651	04/14/2004	69728682.7	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company
Germany	European Patent Case	11/27/2001	01997019.3	08/13/2008	601 35 385.4	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Germany	PCT/EPC Application	12/19/2005	05857132.4-1218	09/30/2011	60 2005 032 850.5	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
Great Britain	Patent Cooperation Treaty	12/19/2005	GB20070014694	05/26/2010	2437673	REMOTE DELIVERY OF LATEX DRUG-REDUCING AGENT	Phillips 66 Company
Great Britain	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Great Britain	Patent Cooperation Treaty	05/27/1994	94920690.8	08/05/1998	EP0656018	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Phillips 66 Company
Great Britain	European Patent Case	12/12/1997	97121905.0	05/10/2000	EP0840057	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION 25AP1997(CLAIM 11 - COMPOSITION CLAIM FROM EPC 92/106A) 19NO1997(CLAIMS 9 AND 10 OF PCT APP)	Phillips 66 Company
Great Britain	PCT/EPC Application	03/08/1996	96909608.0	12/10/2003	EP0885259	IMPROVED SLURRY DRAG REDUCER	Phillips 66 Company
Great Britain	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company
Great Britain	PCT/EPC Application	12/19/2005	05857132.4-1218	09/30/2011	1844121	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
Gulf Cooperation Council	Gulf Cooperation Council	11/15/2011	2011/19762			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Gulf Cooperation Council	Gulf Cooperation Council	12/28/2005	2005/5631			REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
Gulf Cooperation Council	Gulf Cooperation Council	09/16/2008	2008/11730			HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	ConocoPhillips Co.

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Gulf Cooperation Council	Gulf Cooperation Council	12/16/2009	2009/14948			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	Phillips 66 Company
Gulf Cooperation Council	National	01/29/2011	2011/17687			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
Gulf Cooperation Council	Gulf Cooperation Council	12/28/2005	GCC/P/2005/5632			MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
India	Patent Cooperation Treaty	11/02/2011	PCT/US2011/58904			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
India	Patent Cooperation Treaty	12/19/2005	1818/CHENP/2007			EMULSION POLYMERIZATION-PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	CONOCOPHILLIPS CO
India	Patent Cooperation Treaty	07/20/2007	7162/CHENP/2008			HYDRATE INHIBITED LATEX FLOW IMPROVER	CONOCOPHILLIPS COMPANY
India	Patent Cooperation Treaty	12/10/2007	50/CHENP/2009			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	CONOCOPHILLIPS CO
India	Patent Cooperation Treaty	10/28/2008	5535/DELNP/2010			CORE-SHELL FLOW IMPROVER	CONOCOPHILLIPS CO
India	Patent Cooperation Treaty	08/18/2009	5286/DELNP/2009			DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	CONOCOPHILLIPS CO

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
India	Patent Cooperation Treaty	10/28/2009	3106/DELNP/2011			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	CONOCOPHILLIPS CO
India	Patent Cooperation Treaty	06/23/2009	693/DELNP/2011			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	CONOCOPHILLIPS CO
India	Patent Cooperation Treaty	12/09/2009	4160/DELNP/2011			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	Phillips 66 Company
India	Patent Cooperation Treaty	01/26/2011	5189/DELNP/2012			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
India	Patent Cooperation Treaty	12/19/2005	2924/CHENP/2007	06/07/2013	256369	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER EMULSION	Phillips 66 Company
Indonesia	Patent Cooperation Treaty	12/19/2005	W00200702137	10/22/2012	P0032065	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	
Indonesia	Patent Cooperation Treaty	07/20/2007	W00 2009 00213			HYDRATE INHIBITED LATEX FLOW IMPROVER	
Indonesia	National	06/16/1994	P-940951	07/30/2003	ID 0 011 236	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	Phillips 66 Company
Indonesia	National	03/22/1996	P-960721	07/18/2000	ID 0 005 319	IMPROVED SLURRY DRAG REDUCER	Conoco Inc.
Indonesia	National	10/14/1997	P-973432	09/27/2001	ID 0 006 803	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Conoco Inc.

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Indonesia	Patent Cooperation Treaty	11/27/2001	W-00200301045	08/09/2006	ID 0017920	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Indonesia	Patent Cooperation Treaty	12/19/2005	W0 2007 02138	03/26/2012	IDP0030485B	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREOF AND THEREWITH	Phillips 66 Company
Indonesia	Patent Cooperation Treaty	09/27/2002	W-00200400607	11/14/2008	ID0022282	POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Phillips 66 Company
Iraq	National	11/02/2011	PCT/US2011/58904			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Italy	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Italy	European Patent Case	12/12/1997	97121905.0	05/10/2000	EP0840057	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION 25AP1997(CLAIM 11 - COMPOSITION CLAIM FROM EPC 92/106A) 19NO1997(CLAIMS 9 AND 10 OF PCT APP)	Phillips 66 Company
Italy	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Italy	European Patent Case	11/27/2001	01997019.3	08/13/2008	EP 1358231	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Italy	PCT/EPC Application	12/19/2005	05857132.4-1218	09/30/2011	1844121	MODIFIED LATEX DRAG REDUCER AND PROCESSES AND THEREFOR AND THEREWITH	Phillips 66 Company
Kazakhstan	Eurasian Patent Convention	12/19/2005	200701414	12/30/2010	014587	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
Kazakhstan	PCT/Eurasian Patent Convention	09/12/1997	EA19990000372	04/23/2001	001538	NON-AQUEOUS DRAG REDUCING SUSPENSIONS Title proposed by Examiner for patent grant: NONAQUEOUS SUSPENSIONS REDUCING DRAG IN HYDROCARBONS FLOWING THROUGH CONDUITS	CONOCO INC.
Kazakhstan	PCT/Eurasian Patent Convention	12/19/2005	200701413	02/26/2010	013163	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER EMULSION	Phillips 66 Company
Malaysia	National	12/28/2005	PI 20056222	07/29/2011	MY-144031-A	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT WITHOUT INTRODUCTION OF IMMISCIBLE LOW-VISCOSITY FLOW FACILITATOR	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Malaysia	National	03/12/1996	PI9600899	03/31/2001	MY112035-A	IMPROVED SLURRY DRAG REDUCER	Conoco Inc.
Malaysia	National	10/13/1997	PI97004774	12/30/2005	MY-120957-A	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	CONOCO INC
Mexico	Patent Cooperation Treaty	11/02/2011	PCT/US2011/58904			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
Mexico	Patent Cooperation Treaty	12/19/2005	MX/a/2007/005965	01/03/2012	294138	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	ConocoPhillips Company
Mexico	Patent Cooperation Treaty	07/20/2007	MX/a/2009/000868			HYDRATE INHIBITED LATEX FLOW IMPROVER	ConocoPhillips Company
Mexico	Patent Cooperation Treaty	07/30/2008	MX/a/2010/004562	07/19/2012	301520	HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	Phillips 66 Company
Mexico	Patent Cooperation Treaty	12/10/2007	MX/a/2009/001075			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	CONOCOPHILLIPS CO
Mexico	Patent Cooperation Treaty	10/28/2008	MX/a/2010/008968			CORE-SHELL FLOW IMPROVER	CONOCOPHILLIPS CO
Mexico	Patent Cooperation Treaty	07/31/2008	MX/a/2009/009350	04/10/2012	298017	DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	ConocoPhillips Company
Mexico	Patent Cooperation Treaty	10/28/2009	2011004541			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company
Mexico	Patent Cooperation Treaty	06/23/2009	MX/a/2011/001226			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	Phillips 66 Company

PATENT

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Mexico	Patent Cooperation Treaty	12/09/2009	MX/a/2011/006513			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	CONOCOPHILLIPS CO
Mexico	Patent Cooperation Treaty	01/26/2011	MX/a/2012/008779			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	PHILLIPS 66 COMPANY
Mexico	National	03/08/1996	98/7259	08/19/2004	222205	IMPROVED SLURRY DRAG REDUCER	Conoco Inc.
Mexico	National	09/12/1997	99/3402	07/25/2001	203272	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Conoco Inc.
Mexico	Patent Cooperation Treaty	11/27/2001	2003/04740	10/24/2005	231564	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	CONOCOPHILLIPS CO
Mexico	Patent Cooperation Treaty	12/19/2005	MX/a/2007/008004			SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER EMULSION	CONOCOPHILLIPS CO
Mexico	Patent Cooperation Treaty	09/27/2002	2004/002986	09/29/2008	260889	POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Phillips 66 Company
Netherlands	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Netherlands	PCT/EPC Application	03/08/1996	96909608.0	12/10/2003	EP0885259	IMPROVED SLURRY DRAG REDUCER	Phillips 66 Company
Netherlands	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Nigeria	National	12/23/2005	373/05	05/30/2007	16751	EMULSION POLYMERIZATION- PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	Phillips 66 Company
Nigeria	National	07/25/2007	544/07	03/26/2008	NG/C/2007/544	HYDRATE INHIBITED LATEX FLOW IMPROVER	Phillips 66 Company
Norway	Patent Cooperation Treaty	12/19/2005	20073970			EMULSION POLYMERIZATION- PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	Phillips 66 Company
Norway	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Norway	National	09/12/1997	19991777	07/17/2006	321900	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	CONOCO INC
Norway	Patent Cooperation Treaty	12/19/2005	20073973			SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER EMULSION	Phillips 66 Company
Patent Cooperation Treaty Peru	Patent Cooperation Treaty	02/01/2013	PCT/US13/24343			AQUEOUS DRAG REDUCERS FOR ARCTIC CLIMATES	PHILLIPS 66 CO
	Patent Cooperation Treaty	06/06/2013	10852013			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Peru	National	01/02/2008	6366	02/24/2012	000064-2008	DRAG REDUCTION OF ASPHALTHIC CRUDE OILS	Phillips 66 Company
Peru	Patent Cooperation Treaty	10/28/2009	952-2011			DIAPHRAGM PUMPS AND TRANSPORTING DRAG REDUCERS	Phillips 66 Company
Peru	Patent Cooperation Treaty	06/23/2009	0000103-2011			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	Phillips 66 Company
Peru	National	01/26/2011	000083-2011			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
Poland	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Russian Federation	Eurasian Patent Convention	12/19/2005	200701414	12/30/2010	014587	REMOTE DELIVERY OF LATEX DRAG-REDUCING AGENT	Phillips 66 Company
Russian Federation	National	03/08/1996	98118639	12/22/2000	2168535	IMPROVED SLURRY DRAG REDUCER	Conoco Inc.
Russian Federation	PCT/Eurasian Patent Convention	09/12/1997	EA199900372	04/23/2001	001538	NON-AQUEOUS DRAG REDUCING SUSPENSIONS Title proposed by Examiner for patent grant: NONAQUEOUS SUSPENSIONS REDUCING DRAG IN HYDROCARBONS FLOWING THROUGH CONDUITS	Conoco Inc.

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Russian Federation	PCT/Eurasian Patent Convention	12/19/2005	200701413	02/26/2010	013163	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER EMULSION	Phillips 66 Company
Russian Federation	National	09/27/2002	2004113556	07/27/2007	2303606	POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Phillips 66 Company
Spain	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Spain	PCT/EPC Application	05/27/1994	EP0656018	08/05/1998	ES2119210T3	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION	ConocoPhillips Company
Spain	European Patent Case	12/12/1997	EP0840057	08/05/1998	ES2148893T3	SOLVENT FREE OIL SOLUBLE DRAG REDUCING POLYMER SUSPENSION 25AP1997(CLAIM 11 - COMPOSITION CLAIM FROM EPC 92/106A) 19NO1997(CLAIMS 9 AND 10 OF PCT APP)	ConocoPhillips Company
Spain	PCT/EPC Application	03/08/1996	96909608.0	12/10/2003	0885259	IMPROVED SLURRY DRAG REDUCER	CONOCOPHILLIPS CO
Spain	European Patent Case	09/12/1997	97942494.2	04/14/2004	EP0932651	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	CONOCOPHILLIPS CO

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Spain	European Patent Case	11/27/2001	01997019.3	08/13/2008	ES 2307672 T3	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Turkey	PCT/EPC Application	10/28/2008	08872453.9	08/01/2012	2254963	CORE-SHELL LATEX FLOW IMPROVER	Phillips 66 Company
Turkey	European Patent Case	11/27/2001	01997019.3	08/13/2008	TR2008 08486T4	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
Ukraine	National	09/12/1997	99052681/M	10/25/2002	53667	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Conoco Inc.
United States	National	11/02/2011	13/287340			ADDITIVES FOR IMPROVING DRA INJECTION	Phillips 66 Company
United States	National	11/16/2010	61/414298			ADDITIVES FOR IMPROVING DRA INJECTION	ConocoPhillips Company
United States	National	12/30/2004	11/026892	04/22/2008	7361628	EMULSION POLYMERIZATION-PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	Phillips 66 Company
United States	National	05/20/2009	12/469541	02/08/2011	7884144	HYDRATE INHIBITED LATEX FLOW IMPROVER	Phillips 66 Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
United States	National	10/26/2007	11/925291	11/30/2010	7842738	HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	Phillips 66 Company
United States	National	08/11/2011	13/208063	05/28/2013	8450249	DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	PHILLIPS 66 COMPANY
United States	National	08/11/2011	13/208084	05/28/2013	8450250	DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	PHILLIPS 66 COMPANY
United States	National	08/12/2011	13/209109			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
United States	National	08/12/2011	13/209119			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
United States	National	08/11/2011	13/208117	05/28/2013	8450251	DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	PHILLIPS 66 COMPANY
United States	National	08/11/2011	13/208139	04/23/2013	8426498	DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	PHILLIPS 66 COMPANY
United States	National	08/12/2011	13/209098			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
United States	National	12/22/2006	11/615539	09/20/2011	8022118	DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	Phillips 66 Company
United States	National	02/14/2008	12/031290			CORE-SHELL LATEX FLOW IMPROVER FOR USE IN PETROLEUM PIPELINES	Phillips 66 Company
United States	National	10/26/2007	11/925214	02/15/2011	7888407	DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
United States	National	10/13/2010	12/903318			DISPERSE NON-POLYALPHAOLEFIN DRAG REDUCING POLYMERS	Phillips 66 Company
United States	National	10/30/2008	12/261325	07/10/2012	8215930	DIAPHRAGM PUMPS AND TRANSPORTATION DRAG REDUCERS	PHILLIPS 66 COMPANY
United States	National	07/31/2008	12/183158			DRAG REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	Phillips 66 Company
United States	National	12/18/2008	12/337994			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	Phillips 66 Company
United States	National	01/26/2011	13/014528			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	Phillips 66 Company
United States	National	07/29/2011	13/194409			REMEDIATION OF AGGLOMERATED FLOW IMPROVERS	Phillips 66 Company
United States	National	08/12/2011	13/208951			MONOMER SELECTION TO PREPARE ULTRA HIGH MOLECULAR WEIGHT DRAG REDUCER POLYMER	Phillips 66 Company
United States	National	02/01/2013	13/756694			AQUEOUS DRAG REDUCERS FOR ARCTIC CLIMATES	PHILLIPS 66 COMPANY
United States	National	09/02/1994	08/300615	07/23/1996	5539044	IMPROVED SLURRY DRAG REDUCER	Phillips 66 Company

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
United States	National	09/11/1997	08/927911	01/09/2001	6172151	NON-AQUEOUS DRAG REDUCING SUSPENSIONS	Phillips 66 Company
United States	National	11/28/2000	09/724049	06/10/2003	6576732	DRAG-REDUCING POLYMERS AND DRAG-REDUCING POLYMER SUSPENSIONS AND SOLUTIONS	Phillips 66 Company
United States	National	06/26/2007	11/768856	07/27/2010	7763671	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
United States	National	12/30/2004	11/026758	10/23/2007	7285582	MODIFIED LATEX DRAG REDUCER AND PROCESSES THEREFOR AND THEREWITH	Phillips 66 Company
United States	National	09/27/2002	10/256762	07/22/2003	6596832	POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	Phillips 66 Company
United States	National	09/30/2005	11/240866	10/06/2009	7598333	LOW-VISCOSITY DRAG REDUCER	Phillips 66 Company
United States	National	05/13/2009	12/465526	02/28/2012	8124673	LOW-VISCOSITY DRAG REDUCER	Phillips 66 Company
United States	National	11/19/2013	61906101			ADDITIVES FOR DRAG REDUCING POLYMERS	Phillips 66 Company
United States	National	12/18/2013	61/917369			AN AQUEOUS FLOW IMPROVER FORMULATION FOR REFINED PRODUCTS	Phillips 66 Company

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Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Venezuela	National	12/29/2005	2005-002752			EMULSION POLYMERIZATION- PRODUCED LOW VISCOSITY POLYMERIC DRAG REDUCER SOLUTION FOR REMOTE DELIVERY APPLICATIONS	ConocoPhillips Company
Venezuela	National	07/30/2007	2007-1631			HYDRATE INHIBITED LATEX FLOW IMPROVER FOR USE IN SUB-SEA PETROLEUM PIPELINES	
Venezuela	National	10/26/2007	2008-0002195			HIGH POLYMER CONTENT HYBRID DRAG REDUCERS	ConocoPhillips Company
Venezuela	National	12/21/2007	07-2869			DRAG REDUCTION OF ASPHALTENIC CRUDE OILS	
Venezuela	National	10/28/2008	09-79			CORE-SHELL LATEX FLOW IMPROVER	ConocoPhillips Company
Venezuela	National	10/26/2007	002191-2008			DISPERSE NON- POLYALPHAOLEFIN DRAG REDUCING POLYMERS	ConocoPhillips Company
Venezuela	National	07/30/2009	2009-001439			REDUCING COPOLYMERS FOR COLD FLUID APPLICATIONS	ConocoPhillips Company
Venezuela	National	12/18/2009	02330-2009			DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	ConocoPhillips Company

Country	Filing Type	Application Date	Application Number	Grant Date	Patent Number	Title	Owner Name
Venezuela	National	01/28/2011	00115-2011			MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS	ConocoPhillips Company
Venezuela	National	03/28/1996	1996-000499	04/07/2000	057833	IMPROVED SLURRY DRAG REDUCER	Conoco Inc.
Venezuela	National	10/07/1997	1997-002030			NON-AQUEOUS DRAG REDUCING SUSPENSIONS	ConocoPhillips Company
Venezuela	National	09/30/2002	2002-001889			POLYMER COMPOSITIONS USEFUL AS FLOW IMPROVERS IN COLD FLUIDS	ConocoPhillips Company