PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5291528

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JANICE JIANZHAO WANG	02/12/2016
MOHAND MELBOUCI	02/02/2016
CUIYUE LEI	02/12/2016
OSAMA M. MUSA	02/11/2016

RECEIVING PARTY DATA

Name:	ISP INVESTMENTS INC.
Street Address:	1011 CENTRE ROAD
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19805

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14911114

CORRESPONDENCE DATA

Fax Number: (866)461-4713

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.

Phone: 9082433558

Email: ntietcheu@ashland.com
Correspondent Name: NATHALIE TIETCHEU
Address Line 1: 1005 U.S. 202/206
Address Line 2: BRIDGEWATER

Address Line 4: BRIDGEWATER, NEW JERSEY 08807

NAME OF SUBMITTER:	NATHALIE TIETCHEU
SIGNATURE:	/NATHALIE TIETCHEU/
DATE SIGNED:	12/19/2018

Total Attachments: 8

source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page1.tif source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page2.tif source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page3.tif

PATENT 505244749 REEL: 047816 FRAME: 0439

source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page4.tif source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page5.tif source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page6.tif source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page7.tif source=Assignments (4) Wang-Melbouci-Lei-Musa_signed¬arized February 2016#page8.tif

PATENT REEL: 047816 FRAME: 0440

ASSIGNMENT

WHEREAS, Janice Jianzhao WANG of 59 Westwoods Blvd, Hockessin, DE 19707; Mohand MELBOUCI of 134 Shinn Circle; Wilmington, DE 19808 and Jeffrey LYNN of 94 Fawnridge Dr., Long Valley, NJ 07853; Cuiyue LEI of 23 Holyoke Road, Wayne NJ 07470; Osama M. MUSA of 2 black Oak Lane, Kinnelon, NJ 07405; invented certain new and useful A HIGH-TEMPERATURE HIGH-PRESSURE (HTHP) STABLE SYNTHETIC POLYMER FOR WATER BASED OIL-WELL SERVICING FLUIDS (Docket No. 3631USPCT Application No. 14/911,114) for which we executed an application for letters patent of the United States;

AND WHEREAS, ISP Investments Inc., a corporation of the State of Delaware, with a place of business at 1011 Centre Road, Suite 315, Wilmington, Delaware 19805, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, that for good and valuable considerations, the receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and we hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and we hereby agree that, upon request, we will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

2/12/2016	a and
Date	Janice Jianzhao WANG
Date	Mohand MELBOUCI

WITNESS AS TO JANICE YANG-LIKELALA KULALLA ONSESSIN DANALIA

ROSEANN NANALLO A Notary Public of New Jersey My Commi**pian-Feinoy** June 6, 2018

REEL: 047816 FRAME: 0441

Date	Jeffrey LYNN
Date	Cuiyue LEI
Date	Osama M. Musa

ASSIGNMENT

WHEREAS, Janice Jianzhao WANG of 59 Westwoods Blvd, Hockessin, DE 19707; Mohand MELBOUCI of 134 Shinn Circle; Wilmington, DE 19808 and Jeffrey LYNN of 94 Fawnridge Dr., Long Valley, NJ 07853; Cuiyue LEI of 23 Holyoke Road, Wayne NJ 07470; Osama M. MUSA of 2 black Oak Lane, Kinnelon, NJ 07405; invented certain new and useful A HIGH-TEMPERATURE HIGH-PRESSURE (HTHP) STABLE SYNTHETIC POLYMER FOR WATER BASED OIL-WELL SERVICING FLUIDS (Docket No. 3631USPCT Application No. 14/911,114) for which we executed an application for letters patent of the United States;

AND WHEREAS, ISP Investments Inc., a corporation of the State of Delaware, with a place of business at 1011 Centre Road, Suite 315, Wilmington, Delaware 19805, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, that for good and valuable considerations, the receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and we hereby authorize said Assignce, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and we hereby agree that, upon request, we will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

Date

Janice Jianzhao WANG

February, 09' 2016

Date

Mohand MELBOUCI

W. Wellows

NOTARY PUBLIC

STATE OF DELAWARE

My Commission Expires August 27, 2016

PATENT

2/9/2016

Date	Jeffrey LYNN
Date	Cuiyue LEI
Date	Osama M. Musa

ASSIGNMENT

WHEREAS, Janice Jianzhao WANG of 59 Westwoods Blvd, Hockessin, DE 19707; Mohand MELBOUCI of 134 Shinn Circle; Wilmington, DE 19808 and Jeffrey LYNN of 94 Fawnridge Dr., Long Valley, NJ 07853; Cuiyue LEI of 23 Holyoke Road, Wayne NJ 07470; Osama M. MUSA of 2 black Oak Lane, Kinnelon, NJ 07405; invented certain new and useful A HIGH-TEMPERATURE HIGH-PRESSURE (HTHP) STABLE SYNTHETIC POLYMER FOR WATER BASED OIL-WELL SERVICING FLUIDS (Docket No. 3631USPCT Application No. 14/911,114) for which we executed an application for letters patent of the United States;

AND WHEREAS, ISP Investments Inc., a corporation of the State of Delaware, with a place of business at 1011 Centre Road, Suite 315, Wilmington, Delaware 19805, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, that for good and valuable considerations, the receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and we hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and we hereby agree that, upon request, we will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

Date	Janice Jianzhao WANG
Date	Mohand MELBOUCI

Date

Jeffrey LYNN

Cuiyue LEI

Date

Osama M. Musa

ROSEANN RANALLO
A Notary Public of New Jersey
My Commission Expires June 6, 2018

ASSIGNMENT

WHEREAS, Janice Jianzhao WANG of 59 Westwoods Blvd, Hockessin, DE 19707; Mohand MELBOUCI of 134 Shinn Circle; Wilmington, DE 19808 and Jeffrey LYNN of 94 Fawnridge Dr., Long Valley, NJ 07853; Cuiyue LEI of 23 Holyoke Road, Wayne NJ 07470; Osama M. MUSA of 2 black Oak Lane, Kinnelon, NJ 07405; invented certain new and useful A HIGH-TEMPERATURE HIGH-PRESSURE (HTHP) STABLE SYNTHETIC POLYMER FOR WATER BASED OIL-WELL SERVICING FLUIDS (Docket No. 3631USPCT Application No. 14/911,114) for which we executed an application for letters patent of the United States;

AND WHEREAS, ISP Investments Inc., a corporation of the State of Delaware, with a place of business at 1011 Centre Road, Suite 315, Wilmington, Delaware 19805, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, that for good and valuable considerations, the receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application, any application claiming priority therefrom, any non-provisionals, divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and we hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and we hereby agree that, upon request, we will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

Date	Janice Jianzhao WANG
Date	Mohand MELBOUCI

Date	Jeffrey LYNN
Date	Cuiyue LEI
2 11 16 Date	Osama M. Musa

ROSEANN RANALLO
A Notary Public of New Jersey
My Commission Expires June 6, 2018