

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4288213

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAJAT DUGGAL	09/17/2013
SUBODH P JAGTAP	09/12/2013
RECEIVING PARTY DATA	
Name:	DOW GLOBAL TECHNOLOGIES LLC
Street Address:	2040 DOW CENTER
City:	MIDLAND
State/Country:	MICHIGAN
Postal Code:	48674
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14897720
CORRESPONDENCE DATA	
Fax Number:	(989)636-3237
<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:	9896368537
Email:	FGLMFRR@DOW.COM
Correspondent Name:	KRISTIE ELLISON
Address Line 1:	2040 DOW CENTER
Address Line 4:	MIDLAND, MICHIGAN 48657
ATTORNEY DOCKET NUMBER:	74728-US-PCT
NAME OF SUBMITTER:	KRISTIE ELLISON
SIGNATURE:	/Kristie Ellison/
DATE SIGNED:	02/23/2017
Total Attachments: 3	
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source=74728-US-PCT 20170223 Inventors to DGTL#page3.tif	

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: **POLYURETHANE ELASTOMERIC SEAL FOR HYDRAULIC PUMPS**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC
2040 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
61/867,672	August 20, 2013	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: <u>Freeport, Texas 77541 USA</u> this <u>17</u> day of <u>September</u> , 20 <u>13</u> Effective as of <u>August 20, 2013</u>
Signature: _____ Full Name: <u>Rajat Duggah</u> Residence: <u>11306 Silver Bay Court</u> <u>Pearland, Texas 77584</u> Country: <u>United States of America</u> Citizenship: <u>India</u> P.O. Address: <u>Same as Residence</u> Employed By: <u>The Dow Chemical Company</u> Of Country: <u>United States of America</u>

At: <u>Freeport, Texas 77541 USA</u> this _____ day of _____, 20 _____ Effective as of <u>August 20, 2013</u>
Signature: _____ Full Name: <u>Subodh P. Jagtap</u> Residence: <u>514 That Way St Apt 912</u> <u>Lake Jackson, Texas 77566</u> Country: <u>United States of America</u> Citizenship: <u>India</u> P.O. Address: <u>Same as Residence</u> Employed By: <u>The Dow Chemical Company</u> Of Country: <u>United States of America</u>

At: _____ this _____ day of _____, 20 _____
Signature: _____ Full Name: _____ Residence: _____ Country: _____ Citizenship: _____ P.O. Address: _____ Employed By: _____ Of Country: _____

At: _____ this _____ day of _____, 20 _____
Signature: _____ Full Name: _____ Residence: _____ Country: _____ Citizenship: _____ P.O. Address: _____ Employed By: _____ Of Country: _____

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date



This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date

FORM 110 (R.5.97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION
(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: **POLYURETHANE ELASTOMERIC SEAL FOR HYDRAULIC PUMPS**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC
2040 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
611/867,672	August 20, 2013	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Freeport, Texas 77541 USA
this _____ day of _____, 20____
Effective as of August 20, 2013

Signature: _____
Full Name: Rajat Duggal
Residence: 11306 Silver Bay Court
Pearland, Texas 77584
Country: United States of America
Citizenship: India
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At: Freeport, Texas 77541 USA
this 12 day of September, 2013
Effective as of August 20, 2013

Signature: Subodh P. Jagtap
Full Name: Subodh P. Jagtap
Residence: 514 That Way St Apt 912
Lake Jackson, Texas 77566
Country: United States of America
Citizenship: India
P.O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: United States of America

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

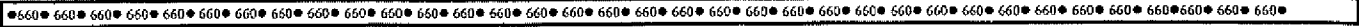
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number



This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: September 12, 2013 and September 17, 2013; with an effective date as of August 20, 2013

From, the ASSIGNOR: Rajat Duggal, 11306 Silver Bay Court, Pearland, Texas 77584, United States of America, Citizen of India and Subodh P. Jagtap, 514 That Way St Apt 912, Lake Jackson, Texas 77566, United States of America, Citizen of India

of the invention entitled:

POLYURETHANE ELASTOMERIC SEAL FOR HYDRAULIC PUMPS

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA
this 20th day of September, 2013

CORP.
SEAL

DOW GLOBAL TECHNOLOGIES LLC

By: Susan M Zerull
SUSAN M. ZERULL
Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)

On this 20th day of September, 2013, personally appeared before me, **SUSAN M. ZERULL, Authorized Representative**, known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said entity organized and existing under the laws of the **State of Delaware, United States of America**.

I further certify that said authority, dated **June 1, 2012**, is based on

A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

Rebecca Sue Hollingshead

SEAL

Rebecca Sue Hollingshead
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES November 25, 2018