

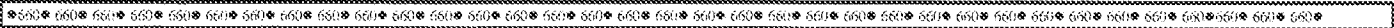
PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4446629

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| THE DOW CHEMICAL COMPANY | 05/27/2015 |
| 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: | 15533508 |
| CORRESPONDENCE DATA | |
| Fax Number: | (937)449-6405 |
| <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: | 9374496400 |
| Email: | beth.bane@dinsmore.com |
| Correspondent Name: | DINSMORE & SHOHL LLP |
| Address Line 1: | ONE SOUTH MAIN ST., FIFTH THIRD CENTER |
| Address Line 2: | SUITE 1300 |
| Address Line 4: | DAYTON, OHIO 45402 |
| ATTORNEY DOCKET NUMBER: | 77141-US-PCT/DOW77141PA |
| NAME OF SUBMITTER: | MATTHEW A. MOLLOY |
| SIGNATURE: | /Matthew A. Molloy/ |
| DATE SIGNED: | 06/06/2017 |
| Total Attachments: 3 | |
| source=Assignment_Dow_Chemical_to_Dow_Global_Technologies#page1.tif | |
| source=Assignment_Dow_Chemical_to_Dow_Global_Technologies#page2.tif | |
| source=Assignment_Dow_Chemical_to_Dow_Global_Technologies#page3.tif | |

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



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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 which is dated: May 27, 2015
effective as of December 17, 2014

From, the ASSIGNOR:
THE DOW CHEMICAL COMPANY
2030 Dow Center
Midland, Michigan 48674
United States of America

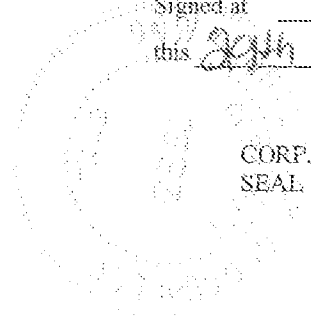
of the invention entitled:

APPARATUS USED IN A FLUIDIZED REACTION PROCESS

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 29th day of May, 2015



DOW GLOBAL TECHNOLOGIES LLC

CORP.
SEAL

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 29th day of May, 2015, 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, 2014**, is based on

A delegation of signature authority of said Limited Liability Company

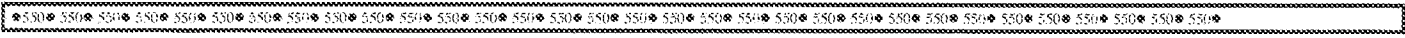
which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

Rebecca Sue Hollingshead
NOTARY PUBLIC

SEAL

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

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.



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FORM 550

NOTARIAL CERTIFICATE

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

On this 27 day of May, 2015, personally appeared before me, **DARRYL P. FRICKEY**, 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 **July 12, 2013**, is based on
a Certified Resolution

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.

SEAL





NOTARY PUBLIC
Kathy Sue Wertz
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES APRIL 07, 2018