

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Bruce J Gertner | 07/23/2008 |
| RECEIVING PARTY DATA | |
| Name: | Union Carbide Chemicals & Plastics Technology LLC |
| Street Address: | 2020 Dow Center |
| City: | Midland |
| State/Country: | MICHIGAN |
| Postal Code: | 48674 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12864192 |
| CORRESPONDENCE DATA | |
| Fax Number: | (979)238-0878 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 979-238-1087 |
| Email: | Chilcote@Dow.com |
| Correspondent Name: | Jenna Chilcote |
| Address Line 1: | 2301 N. Brazosport Blvd |
| Address Line 2: | 118A |
| Address Line 4: | Freeport, TEXAS 77541 |
| ATTORNEY DOCKET NUMBER: | 65457A-US-PCT |
| NAME OF SUBMITTER: | Jenna Chilcote |
| Total Attachments: 3 | |
| source=65457A-US-PCT_20110614_JMT_Inventors_to_Union_Carbide#page1.tif | |
| source=65457A-US-PCT_20110614_JMT_Inventors_to_Union_Carbide#page2.tif | |
| source=65457A-US-PCT_20110614_JMT_Inventors_to_Union_Carbide#page3.tif | |

CH \$40.00 12864192

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 verify 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: **METHOD FOR GAS PHASE POLYMERIZATION**

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:

Union Carbide Chemicals & Plastics Technology LLC
2020 Dow Center
Midland, Michigan 48674
UNITED STATES OF AMERICA

a corporation 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 |
|-----------------|------------------|--------------------------|
| 61/023,298 | January 24, 2008 | 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; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent Application Number, Filing Date, and Filing Country

| Application Number | Filing Date | Filing Country |
|--------------------|-------------|----------------|
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to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. 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:

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| At: <u>Port Lavaca, Texas</u> this <u>23rd</u> day of <u>July</u> , 20 <u>08</u> Effective as of January 24, 2008. |
| Signature:  |
| Full Name: <u>Bruce J. Gertner</u> Residence: <u>116 Andrew Drive</u> <u>Victoria, Texas 77904</u> Country: <u>United States of America</u> Citizenship: <u>United States of America</u> P.O. Address: <u>Same as residence</u> Employed By: <u>Union Carbide Chemicals*</u> Of Country: <u>United States of America</u> <small>*At the time the invention was made.</small> |

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

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

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

() Additional names and signatures are attached.

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: **UNION CARBIDE CHEMICALS & PLASTICS
TECHNOLOGY LLC
2020 Dow Center
Midland, Michigan 48674
UNITED STATES OF AMERICA**

hereby accept the ASSIGNMENT attached hereto which is dated: **July 23, 2008**

From, the ASSIGNOR: Bruce J. Gertner, 116 Andrew Drive, Victoria, Texas 77904, UNITED STATES OF AMERICA, Citizen of United States of America

of the invention entitled:

METHOD FOR GAS PHASE POLYMERIZATION

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 13 day of August, 20 08

**UNION CARBIDE CHEMICALS & PLASTICS
TECHNOLOGY LLC**

CORP.
SEAL

By: *Charles Maurer III*
CHARLES J. MAURER III
Secretary

NOTARIAL CERTIFICATE (Corporation)

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

On this 13 day of August, 20 08, personally appeared before me, **CHARLES J. MAURER III, Secretary**, 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 Corporation incorporated under the laws of **the State of Delaware, United States of America**.

I further certify that said authority, dated **December 31, 2007**, is based on

Authorization Policy of said Limited Liability Company

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

SEAL *Jane M. Neitzel*

Jane M. Neitzel
NOTARY PUBLIC, BAY COUNTY, MICHIGAN
ACTING IN MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES SEPTEMBER 28, 2013

PATENT