

PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
David M. Petraitis	01/14/2009
Thomas Z. Smak	12/29/2008
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:	12587358
CORRESPONDENCE DATA	
Fax Number:	(651)351-2954
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	pbick@kaganbinder.com
Correspondent Name:	Paul John Parins
Address Line 1:	221 Main Street North
Address Line 2:	Suite 200
Address Line 4:	Stillwater, MINNESOTA 55082
ATTORNEY DOCKET NUMBER:	67691-US-NP (DOW0019US)
NAME OF SUBMITTER:	Paul John Parins

Total Attachments: 5
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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:

METHOD FOR MAKING ETHANOLAMINE(S) AND ETHYLENEAMINE(S) FROM ETHYLENE OXIDE AND AMMONIA, AND RELATED METHODS

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 limited liability company organized and existing under the laws 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

Application No. 61/195,405 Filing Date October 6, 2008

in country the United States of America

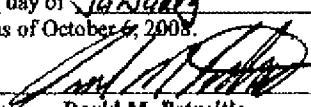
of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation 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 No. _____ Filing Date _____

in country _____

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:

At: <u>Covington, Louisiana 70433, United States of America</u>
this <u>14</u> day of <u>January</u> , 20 <u>08</u>
Effective as of <u>October 6, 2008</u> .
Signature: 
Full Name: <u>David M. Petraitis</u>
Residence: <u>41 Catalpa Trace</u> <u>Covington, Louisiana 70433</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 Corporation</u>
Of Country: <u>United States of America</u>

At: _____
this _____ day of _____, 20____
Effective as of <u>October 6, 2008</u> .
Signature: _____
Full Name: <u>Thomas Z. Srnak</u>
Residence: <u>316 North Stratford Road</u> <u>Arlington Heights, Illinois 60004</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 Corporation</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: _____

() 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

•660• 640• 650• 670• 680• 690• 700• 710• 720• 730• 740• 750• 760• 770• 780• 790• 800• 810• 820• 830• 840• 850• 860• 870• 880• 890• 900• 910• 920• 930• 940• 950• 960• 970• 980• 990•

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: **January 14, 2009 and December 29, 2008**

From, the ASSIGNOR(S): **David M. Petraitis, 41 Catalpa Trace, Covington, Louisiana 70433, United States of America and Thomas Z. Sniak, 316 North Stratford Road, Arlington Heights, Illinois 60004, United States of America**

of the invention entitled:

METHOD FOR MAKING ETHANOLAMINE(S) AND ETHYLENEAMINE(S) FROM ETHYLENE OXIDE AND AMMONIA, AND RELATED METHODS

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, U.S.A.

this 17 day of August, 2009

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC

CORP.
SEAL

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

NOTARIAL CERTIFICATE (Corporation)

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

On this 17 day of August, 2009, 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 **an Authorization Policy of the said Corporation**,

which I have seen, appointing the said individual **Attorney-in-fact** 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
Notary Public

Jane M. Neitzel
NOTARY PUBLIC, BAY COUNTY, MICHIGAN
ACTING IN MIDLAND COUNTY MICHIGAN
MY COM. EX. 01. EXP. RES. SEPTEMBER 26, 2013

PATENT