

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John R. Briggs	03/14/2005
David W. Butler	02/10/2005
Timothy T. Wenzel	03/15/2005
William C. Brooks	03/08/2005
Teresa L. Fortin	03/09/2005

RECEIVING PARTY DATA

Name:	Union Carbide Chemicals & Plastics Technology Corporation
Street Address:	39 Old Ridgebury Road
City:	Danbury
State/Country:	CONNECTICUT
Postal Code:	06817

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US0505841

CORRESPONDENCE DATA

Fax Number: (989)636-3237

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 989-636-0960

Email: plkipfmiller@dow.com

Correspondent Name: Pattie Kipfmiller

Address Line 1: The Dow Chemical Company

Address Line 2: 2040 Dow Center

Address Line 4: Midland, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:

62779A

NAME OF SUBMITTER:

Pattie Kipfmiller

PATENT

500557782

REEL: 021045 FRAME: 0712

CH \$40.00 US0505841

Total Attachments: 4

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PATENT

REEL: 021045 FRAME: 0713

Docket Ref. 62779A c55

Docket Ref. 02779A-1

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:

CATALYSTS FOR OLIGOMERIZATION OF ETHYLENE

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, by virtue of my/our employee agreement(s) and contractual agreement(s) between our employer(s) and Union Carbide Chemicals & Plastics Technology Corporation, hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Union Carbide Chemicals & Plastics Technology Corporation. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work from my/our employer, I/we sell, assign and transfer unto:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION
39 Old Ridgebury Road
Danbury, Connecticut 06817-0001
United States of America

a corporation organized and existing under the laws of the **State of DELAWARE, U.S.A.** (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. PCT/US05/05841 Filing Date February 24, 2005
in country **International**

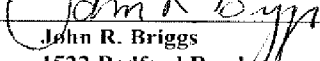
of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation 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 nonince(s)) to insert here any corresponding equivalent

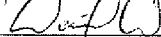
Application No. _____ Filing Date _____
in country _____

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: Charleston, WV USA
this 14th day of March, 2005
Effective as of February 24, 2005

Signature: 
Full Name: John R. Briggs
Residence: 1522 Bedford Road
Charleston, West Virginia 25314
Country: United States of America
Citizenship: United Kingdom
P. O. Address: Same as Residence
Employed By: Union Carbide Corporation
Of Country: United States of America

At: **Plaquemine, LA USA**
this 10 day of February, 2008
Signature: 
Full Name: **David W. Butler**
Residence: **507 Arlington Drive
Destrehan, Louisiana 70047**
Country: **United States of America**
Citizenship: **United States of America**
P. O. Address: **Same as Residence**
Employed by: **Union Carbide Corporation**
Of Country: **United States of America**

At: Charleston, WV USA
 this 15th day of March, 2005
 Effective as of February 24, 2005

Signature: [Signature]
 Full Name: Timothy F. Wenzel
 Residence: 888 Poplar Road
Charleston, West Virginia 25302
 Country: United States of America
 Citizenship: United States of America
 P. O. Address: Same as Residence
 Employed By: Union Carbide Corporation
 Of Country: United States of America

At: **Charleston, WV USA**
 this 5th day of March, 2005
 Effective as of February 24, 2004

Signature: William C. Brooks

Full Name: **William C. Brooks**
 Residence: **12 Indian Trail**
St. Albans, West Virginia 25177

Country: **United States of America**
 Citizenship: **United States of America**
 P. O. Address: **Same as Residence**
 Employed by: **Union Carbide Corporation**
 Of Country: **United States of America**

(X) Additional names and signatures are attached.

PATENT
REEL: 021045 FRAME: 0714

Docket Ref. 62779A css

Additional names, addresses and signatures to be attached to Form No. 110
Entitled: INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION

Signature: _____
Full Name: _____
Residence: _____

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

Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P. O. Address: _____
Employed By: _____
Of Country: _____

Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P. O. Address: _____
Employed By: _____
Of Country: _____

Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P. O. Address: _____
Employed By: _____
Of Country: _____

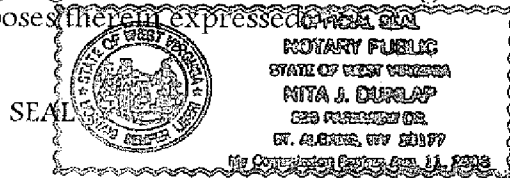
NOTARIAL CERTIFICATE (INDIVIDUAL)


UNITED STATES OF AMERICA)
STATE OF WEST VIRGINIA) SS
County/Parish of Kanawha)

On this 14th day of March, 2005, personally appeared

John R. Briggs

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.




Notary Public

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF LOUISIANA) SS
County/Parish of Iberville)

On this 10th day of February, 2005, personally appeared

David W. Butler

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.

SEAL

Shannon E. Whisenand
Notary Public
SHANNON E. WHISENAND, NOTARY PUBLIC
State of Louisiana, Parish of Iberville
My Commission is for Life.

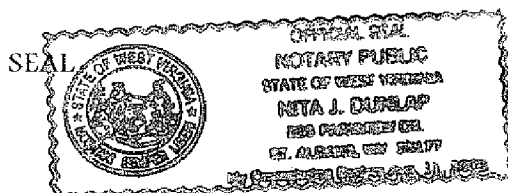
NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF WEST VIRGINIA) SS
County/Parish of Kanawha)

On this 15th day of March, 2025, personally appeared

Timothy T. Wenzel

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.



Notary Public

Docket Ref. 62779A css

NOTARIAL CERTIFICATE (INDIVIDUAL)

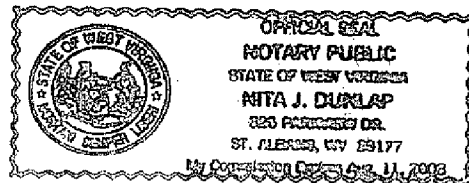
UNITED STATES OF AMERICA)
STATE OF WEST VIRGINIA) SS
County/Parish of Kanawha)

On this 8th day of March, 2005, personally appeared

William C. Brooks

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.

SEAL



Notary Public


Notary Public

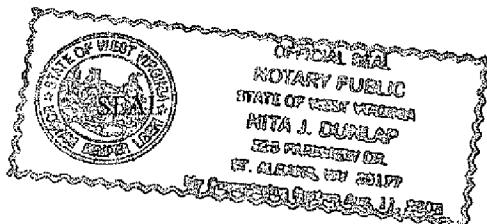
NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF WEST VIRGINIA) SS
County/Parish of Kanawha)

On this 9th day of March, 2005, personally appeared

Teresa L. Fortin

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.



Notary Public

Nita J. Dunlap
Notary Public

PATENT

RECORDED: 06/04/2008

REEL: 021045 FRAME: 0717