## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
William J. Kruper Jr.	09/15/2007
Tina Arrowood	08/09/2007
Bruce M. Bell	08/08/2007
John Briggs	08/01/2007
Robert M. Cambell	08/06/2007
Bruce D. Hook	07/26/2007
Anh Nguyen	07/24/2007
Curt Theriault	08/09/2007

#### **RECEIVING PARTY DATA**

Name:	The Dow Chemical Company
Street Address:	2030 Dow Center
City:	Midland
State/Country:	MICHIGAN
Postal Code:	48674

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13017645

## **CORRESPONDENCE DATA**

Fax Number: (989)636-3237

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

Phone: 9896361555

Email: ajlanphierd@dow.com
Correspondent Name: Amy J Lanphierd
Address Line 1: 2040 Dow Center

Address Line 4: Midland, MICHIGAN 48674

ATTORNEY DOCKET NUMBER: 63802D US DIV1

501571130 PATENT REEL: 026470 FRAME: 0625

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NAME OF SUBMITTER:	Amy J Lanphierd
Total Attachments: 5 source=63802D US DIV1 20110621 JRP In	ventors to TDCC#page2.tif ventors to TDCC#page3.tif ventors to TDCC#page4.tif

PATENT REEL: 026470 FRAME: 0626 Adventured 110 is in the EPGLISH imprises and has the same invaning in other languages with the more 110 number and Ribate

FORM 110 (R 5/97)

Docket Ref. 63802D

## 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:

#### BATCH, SEMI-CONTINUOUS OR CONTINUOUS HYDROCHLORINATION OF GLYCERIN WITH REDUCED VOLATILE CHLORINATED HYDROCARBON BY-PRODUCTS AND CHLOROACETONE LEVELS

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:

THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 United States of America

a corporation organized and existing under the laws of 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. 60/589,683 Fil Filing Date July 21, 2004 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. 11/710,002

In country the United States of America

The United States of America 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 recordar 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

Subscribed and Declared by me/us:

At: Midland, N	dichigan 48674 USA	At: ]
this 5 day		this
Effective as of I	February 22, 2007	Effe
Signature:	Welling forthelle	Sign
Full Name:	William J. Kruper, Jr.	Full
Residence:	230 Barden Road	Resi
	Sanford, Michigan 48657	
Country:	United States of America	Con
Citizenship:	United States of America	Citiz
P. O. Address:	Same as Residence	P. O
Employed By:	The Dow Chemical Company	Emp
Of Country:	United States of America	Of C

encombered by any grant, license, or other right heretofore given.

At: Midland, Michigan 48674 USA		
this 477 day of 424454 , 2007		
	February 22, 2007	
Signature: Gillian Con we.		
Full Name:	Tina Arrowood	
Residence:	2080 N. Lewis Road	
	Coleman, Michigan 48618	
Country:	United States of America	
Citizenship:	United States of America	
P. O. Address:	Same as Residence	
Employed By:	The Dow Chemical Company	
Of Country:	United States of America	

At: Midland, N	Aichigan 48674 USA
this $37^{-1}$ day	of Fugust , 2007
Effective as of J	jebruary 22 2007
Signature	- Bell
Full Name	Bruce Micliael Bell
Residence	401 Saginaw
	Higgins Lake, Michigan 48627
Country:	United States of America
Citizenship:	United States of America
P. O. Address:	PO Box 76
Employed By:	The Dow Chemical Company
Of Country:	United States of America
·	

this <b>th</b> day o	of <b>fluguit</b> , 2007
Effective as of F	February 22, 2007
	412
Signature:	lam Byli
Full Name:	John Brigg
Residence:	1715 Sylvan Lane
1	Midland, Michigan 48640
Country:	United States of America
Citizenship:	United States of America
P. O. Address:	Same as Residence
Employed By:	The Dow Chemical Company
Of Country:	United States of America

At: Midland, Michigan 48674 USA

This Assignment 113 is in the ENGLISH language and his the name meaning in other languages with the same 113 number and RiDate

FORM 113

#### Page two of two

Docket Ref. 63802D

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

At: Midland, Michigan 48674 USA	At: Freeport, Texas 77541 USA
this b day of Hughst 2007	this 26 day of 100 2007
Effective as of Fehruary 22, 2007	Effective as of February 22, 2007
Summer Hersell C-111	Dela
Signature,	Signature:
Full Name: Robert M. Campbell	Full Name: Brace D. Hook
Residence: 2801 Saint Marys Drive	Residence: 107 Banyan Drive
Midland, Michigan 48640	Lake Jackson, Texas 77566
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P. O. Address: Same as Residence	P. O. Address: Same as Residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At Proposit Torre 77541 BCA	
At: Freeport, Texas 77541 USA this 24 day of 2007	At: Midland, Michigan 48674 USA
Effective as of February 22, 2007	this day of AUGU 51 20 /
	Effective as of February 2 \(\frac{1}{2}\) 2007
Signature: ALM NSWCW	$1 \qquad (1 + \lambda),  1/2 = 1$
Full Name: Anh Nguyen	Signature: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Full Name: Curt Theriault
,	Residence: 4282 South Schreiber Road
Lake Jackson, Texas 77566 Country: United States of America	Hemlock, Michigan 48626
	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P. O. Address: Same as Residence	P. O. Address: Same as Residence
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
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Signature: Full Name: Residence:  Country: Citizenship: P. O. Address: Employed By: Of Country:  At: thisday of	Signature: Full Name: Residence:  Country: Citizenship: P. O. Address: Employed By: Of Country:  At: this
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Signature: Full Name: Residence:  Country: Citizenship: P. O. Address: Employed By: Of Country:  At: this	Signature: Full Name: Residence:  Country: Citizenship: P. O. Address: Employed By: Of Country:  At: thisday of

This Assignment 22 is in the ENGLISH language and loss the same meaning in other languages with the same 22 somehor and Religion

FORM 222 Docket Ref. 63802D

# NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) SS )
On this day of before me,	ystember, 2007, personally appeared
known or identified to me to be	William J. Kruper, Jr. the individual described in and who executed the wledged the same as a free act and deed for uses and
SEAL	Notary Public Renee Allen  NOTARY PUBLIC, MIDLAND COUNTY MICHIGAN  MY COMMISSION EXPIRES, APHIL 24, 2013
NOTARIA	L CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) SS )
On this $\frac{\mathbb{N}_{\Lambda}}{\mathbb{N}_{\Lambda}}$ day of $\frac{\mathbb{N}_{\Lambda}}{\mathbb{N}_{\Lambda}}$	1
	Tina Arrowood the individual described in and who executed the wledged the same as a free act and deed for uses and
SEAL	Notary Public BRENDA J. MAIOA  NOTARY PUBLIC, STATE OF MI COUNTY OF GLADWIN MY COMMISSION EXPIRES MIN 10, 2012 ACTING IN THE COUNTY OF MIDLAND
NOTARIA	L CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) SS )
On this $\frac{S+h}{h}$ day of $\underline{Aug}$	
	Bruce Michael Bell the individual described in and who executed the vledged the same as a free act and deed for uses and
SEAL	Jehnifer & Fallacanp
	Jennifer S. Havercamp  MUSEN PURIL, BAY COUNTY, MCHGAY  ACTING IN MELAND COUNTY, MCHGAY  BY COMMESSION EXPOSES MAY 12, 2012

**PATENT** 

**REEL: 026470 FRAME: 0629** 

Assignment 22 is in the ENCLISR language and has the same meaning in other languages with the came 22 number and R/Date

FORM 222

# NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) SS )
On this 15t day of Our before me,	, 20 <u>D7</u> , personally appeared
	John Briggs the individual described in and who executed the wledged the same as a free act and deed for uses and
SEAL	Notary Publics - In D. Horr  NOTATE DATE OURTY, MICHGAN  101915 - THEY, MICHGAN  CHARLES 28, 2011
NOTARIA	L CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland	) ) SS )
On this 6 day of 6 before me,	, 20 <u>07</u> , personally appeared
foregoing document and acknow	Robert M. Campbell the individual described in and who executed the vledged the same as a free act and deed for uses and
purposes therein expressed.  SEAL	Notary Public Karen D. Hoff  NOTARY PUBLIC, BAY COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES DECEMBER 28, 2011
NOTARIAI	CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF TEXAS County/Parish of Brazoria	) ) SS )
On this <u>26</u> day of <u>Juli</u> before me,	
foregoing document and acknow purposes therein expressed.	Bruce D. Hook the individual described in and who executed the reledged the same as a free act and deed for uses and  Luna A Gemons
SEAL  DEBRA A (  NOTARY  State of  Comm. Exp.	CLEMONS PUBLIC Public

**PATENT REEL: 026470 FRAME: 0630** 

Docket Ref. 63802D

his Assignment 221 is in the LPGEISH language and his the rame meaning in other languages with the same 221 number and Relieve

FORM 221

Docket Ref. 63802D

## NOTARIAL CERTIFICATE (INDIVIDUAL)

STATE OF TEXAS County/Parish of Freeport	) SS )	S	
On this $24^{1/4}$ day of $90^{1/4}$ before me,	ly		, 20 <u>07</u> , personally appeared
		Anh Nguyen	

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 NELDA LAMB
Notary Public
STATE OF TEXAS
My Comma. Exp. Sept. 14, 2009

Helida Lamb

# NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MIDLAND County/Parish of Michigan	) SS ) SS		
On this $\frac{1}{2}$ day of before me,	augicsi	20 <u>[/]</u> , personally appear	red

**Curt Theriault** 

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

RECORDED: 06/21/2011

BRENDA J. MAIDA.

NOTARY PUBLIC, STATE OF ME
COUNTY OF GLADWIN

MY COMMISSION EXPIRES May 10, 2012
ACTING IN THE COUNTY OF MIDLAND

PATENT REEL: 026470 FRAME: 0631