PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel J. Arriola	05/17/2004
Marilyn Bokota	05/24/2004
Edmund M. Carnahan	04/01/2004
David D. Devore	06/01/2004
Phillip D. Hustad	04/07/2004
Pamela J. Stirn	05/21/2004

RECEIVING PARTY DATA

Name:	Dow Global Technologies Inc.
Street Address:	Washington Street
Internal Address:	1790 Building
City:	Midland
State/Country:	MICHIGAN
Postal Code:	48674

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10589377

CORRESPONDENCE DATA

Fax Number: (979)238-0878

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

Phone: 979-238-1195
Email: dpedersen@dow.com
Correspondent Name: Delane Pedersen

Address Line 1: 2301 N. Brazosport Blvd

Address Line 2: B-1211

Address Line 4: Freeport, TEXAS 77541

ATTORNEY DOCKET NUMBER: 63558D-US-PCT

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1058937

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PATENT

NAME OF SUBMITTER:	Delane Pedersen
Total Attachments: 8	DOTIMe and tif
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FORM 110 (R 5/97)

Docket Ref. 63558 css page 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:

CATALYST COMPOSITION COMPRISING SHUTTLING AGENT FOR ETHYLENE COPOLYMER FORMATION 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 Dow Global Technologies Inc., hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Dow Global Technologies Inc. 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:

DOW GLOBAL TECHNOLOGIES INC. Washington Street 1790 Building Midland, Michigan 48674 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. 60/553,906 Filing Date March 17, 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

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 application No.

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:

	Michigan 48674 USA
this 17 day	of <u>May</u> , 2064
Effective as of l	March 17, 2004
[\ \	$y \sim V \vee V$
Signature: V	we y Wash
Full Name:	Daniel J. Arriola
Residence:	2100 East Mier Road
	Midland, Michigan 48642
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: Freeport, 1	'exas 77541 USA
	exas 77541 USA of /400/ 2007
	of 14pmil 2004
this day	of 14pmil 2004
this day	of 17,2004 Aarch 17,2004 Only Many
this day Effective as of M	of 14pmil 2004
this day Effective as of M	of 17,2004 Aarch 17,2004 Only Many
this day Effective as of M Signature: Full Name:	of 4004 March 17, 2004 Land M. Carnahan
this day Effective as of M Signature: Full Name:	of April 2604 March 17, 2004 Edmund M. Carnahan 4619 Pwin Elm Drive
this day Effective as of M Signature: Full Name: Residence:	of
this day Effective as of M Signature: Full Name: Residence: Country:	of
this day Effective as of M Signature: Full Name: Residence: Country: Citizenship:	of

	At: Midland, Michigan 48674 USA		
	this 24 day o	of mark	. 20 <u>04</u>
		March 17, 2004	. 20 <u>0</u>
	Signature: M	arily Bokota	
	Full Name:	Marilyn Bokota	
	Residence:	4431 West Lang	
		Beaverton, Michigan 48612	
	Country:	United States of America	
i	Citizenship:	United States of America	
	P. O. Address:	Same as Residence	
ı		The Dow Chemical Company	
	Of Country:	United States of America	
	At Midland Michigan 49674 UCA		
-	At: Midland, I	Michigan 48674 USA	
		Michigan 48674 USA	2006
	this day	of June	, 20 0 4
	this day	of <u>June</u> March 17, 2004	, 20 <u>0 Y</u>
	this day Effective as of]	of <u>June</u> March 17, 2004	, 20 <u>0 Y</u>
	this day Effective as of] Signature:	March 17,2004 will Dave	, 20 <u>0 Y</u>
	this day Effective as of I Signature: Full Name:	David D. Devore 4901 East Shaffer Road	, 20 <u>0 Y</u>
	this day Effective as of I Signature: Full Name:	March 17, 2004 David D. Devore	_20 <u>0 Y</u>
	this day Effective as of J Signature: Full Name: Residence:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642	_20 <u>0 Y</u>
	this day Effective as of Signature: X Full Name: Residence: Country:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642 United States of America United States of America	_ 20 <u>0 Y</u>
	this day Effective as of l Signature: Full Name: Residence: Country: Citizenship:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642 United States of America United States of America Same as Residence	_ 20 <u>0 Y</u>
	this day Effective as of J Signature: Full Name: Residence: Country: Citizenship: P. O. Address:	David D. Devore 4901 East Shaffer Road Midland, Michigan 48642 United States of America United States of America Same as Residence	. 20 <u>0 4</u>

This Assignment F13 is in the ENGLISH language and has the same meaning in other languages with the same 113 number and R/Date

FORM 113

Page two of two

Docket Ref. 63558 css page 2

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

ALL Freeport, TX 77541 USA	At: Midland, Michigan 48674 USA
this The day of april 20 c4 Effective as of March 17, 2004	this 21 day of 100 and 2000
	Effective as of March 17, 2004
Signature: DICOLYTTE Full Name: Phillip B. Hustad	Signature: Pamela Istur
Residence: 3618 Rose Water Court	Full Name: Pamela J. Stirn
Manuel Texas 77578	Residence: 1120 West Stewart Road
Country: United States of America	Midland, Michigan 48640 Country: United States of America
Citizenship: United States of America	Country: 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 Of County: United States of America	Employed By: The Dow Chemical Company
Of Country, United States of America	Of Country: United States of America
At:	A
At: day of 20	At:
	day or
Signature:	67
Full Name:	Signature:Full Name:
Residence:	Residence:
Country:	
Citizenship:	Country:
P. O. Address:	Citizenship:
Employed By:	P. O. Address; Employed By:
Of Country:	Of Country:
	J. 55
At:	1 .
this day of 20	At:
	nus 20
Signature:	
Full Name:	Signature:
Residence:	Full Name:
·	Residence:
Country: Citizenship:	Country:
P. O. Address:	Citizenship:
Employed By:	P. O. Address:
Of Country:	Employed By:
	Of Country:
	,
At:	At:
hisday of20	this day of 20
Signature:	Signature:
Full Name:	Full Name:
Residence:	Residence:
Country:	Country:
Citizenship:	Citizenship:
O. Address:	P. O. Address:
Employed By:	Employed By:
Of Country:	Of Country:

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)

Docket Ref. 63558 css page 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:

CATALYST COMPOSITION COMPRISING SHUTTLING AGENT FOR ETHYLENE COPOLYMER FORMATION 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 Dow Global Technologies Inc., hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Dow Global Technologies Inc. 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:

DOW GLOBAL TECHNOLOGIES INC.

Washington Street 1790 Building Midland, Michigan 48674 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 w	orld, 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 com	responding or equivalent applications in any and all countries, including all
rights to claim priority under all United States domest	tic laws, International Convention(s) and Treaties in the name of Assignee, and
do hereby authorize Assignee or its designee to insert Application No. 60/553,906	
in country the United States of America	Filing Date March 17, 2004
of the application, on which the claim for principle will	l be based; and in and to any Letters Patent that may be issued for the
invention in any and all countries. If we do hereby an	ree to assist Assignee in the prosecution of the application(s) and in any
interference conflict opposition or litigation which n	nay arise involving the invention or the patent or patents thereon, and to
execute for any and all countries any document relating	og to applications derived from, corresponding to or equivalent to the above
identified application as Assignee may request; and 1/	we do hereby authorize Assignee or its designee (or nominee(s)) to <u>insert here</u>
any corresponding equivalent	the de hereof duthorize Assignee of its designee (of horninee(s)) to <u>invert here</u>
Application No	Filing Date
in country	
to the above Priority application of any country when	re that country's patent property must be identified and entered hereinabove
<u>for recordal of this Assignment.</u> I'we authorize Assig	mee 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 hereto	ofore given.
Subscribed and Declared by me/us:	
At: Midland, Michigan 48674 USA	At: Midland, Michigan 48674 USA
this day of,	20 thisday of
Effective as of March 17, 2004	Effective as of March 17, 2004
0.	
Signature:	Signature:
Full Name: Daniel J. Arriola	Full Name: Marilyn Bokota
Residence: 2100 East Mier Road	Residence: 4431 West Lang
Midland, Michigan 48642	Beaverton, Michigan 48612
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: Freeport, Texas 77541 USA	At: Midland, Michigan 48674 USA
this day of	0 <u>0</u> 4 this day of
Effective as of March 17, 2004	Effective as of March 17, 2004
	/
Signature: Signature:	Signature:
Full Name: Edmund M. Carnahan	Full Name: David D. Devore
Residence: 4619 Twin Elm Drive	Residence: 4901 East Shaffer Road
Fresno, Texas 77545	Midland, Michigan 48642
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
Land States of America	Or Country. Officer States of America

FORM 113

Page two of two

Docket Ref. 63558 css page 2

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

At: Freeport, TX 77541 USA	At: Midland, Michigan 48674 USA
this 7th day of Apont 20 04 Effective as of March 17, 2004	this day of 20
	Effective as of March 17, 2004
Signature BUGOLIFI	Signature:
Full Name: Phillip D. Hustad	Full Name: Pamela J. Stirn
Residence: 3618 Rose Water Court Manyel, Texas 77578	Residence: 1120 West Stewart Road
Country: United States of America	Midland, Michigan 48640
Citizenship: United States of America	Country: 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 Of Country: United States of America	Employed By: The Dow Chemical Company
Officountry. Officer States of America	Of Country: United States of America
At:	4
this day of 20	At:
	20
Signature:	a:
Full Name:	Signature:Full Name:
Residence:	Residence:
Country:	
Citizenship:	Country:
P. O. Address:	Citizenship:
Employed By:	P. O. Address:
Of Country:	Employed By: Of Country:
	Or Country.
At:	
this day of 20	At:
	this day of 20
Signature:	
Full Name:	Signature:
Residence:	Full Name:
Country	Residence:
Country: Citizenship:	Country:
P. O. Address:	Citizenship:
Employed By:	P. O. Address:
Of Country:	Employed By:
	Of Country:
At:thisday of20	At:
this day of 20	this day of 20_
Signature:	Signature:
Full Name: Residence:	Full Name:
Notice in Co.	Residence:
Country:	Country:
Citizenship:	Citizenship:
P. O. Address:	P. O. Address:
Employed By:	Employed By:
Of Country:	Of Country:

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PAGE ASSIGNATION OF THE PAGE ASSIGNA

FORM 222 Docket Ref. 63558 css

NOTARIAL CERTIFICA	ATE (INDIVIDUAL)			
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)				
before me,	, 20_ <u>o</u> \(\frac{\phi}{}\), personally appeared			
Daniel J. known or identified to me to be the individual d foregoing document and acknowledged the sam purposes therein expressed.	lescribed in and who executed the			
SEAL	Helwson Bigh Van how Notary Public			
	Melissa Leigh Farmater Notary Public, herard County, Manager My Semmission Expres Fabruary 6, 2007			
NOTARIAL CERTIFICA	ATE (INDIVIDUAL)			
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)				
On this 24 day of 1000 before me,	, 2001, personally appeared			
Marilyn I known or identified to me to be the individual de foregoing document and acknowledged the same purposes therein expressed.	escribed in and who executed the			
	Carla & Lamuel			
SEAL	Notary Public			
	Carla S. Samuel Notary Public, Bay County, Michigan Acting in Midland County, Michigan My Commission Expires October 10, 2005			
NOTARIAL CERTIFICATE (INDIVIDUAL)				
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of Brazoria)				
On this 15th day of April	, 20 <u>04</u> , personally appeared			
Edmund M. C known or identified to me to be the individual de				
foregoing document and acknowledged the same	as a free act and deed for uses and			
WALLE TO THE	M MMH 1100			

PATENT REEL: 025381 FRAME: 0766

Notary Public

FORM 222

Docket Ref. 63558 css

NOTARIAL CERTIF	ICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
On this day of	, 20 <u>04</u> , personally appeared
David known or identified to me to be the individual foregoing document and acknowledged the spurposes therein expressed.	D. Devore al described in and who executed the same as a free act and deed for uses and
·	Carla & Damu
SEAL	Notary Public
	Carla S. Samuel Notary Public, Bay County, Michigan Acting in Midland County, Michigan Acting in Midland County, Michigan W Commission Expres October 10, 2005
NOTARIAL CERTIFI	CATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of $\underline{\mathcal{B}_{tazoria}}$)	
On this 7th day of April before me,	, 20 <u>04</u> , personally appeared
Phillip	D. Hustad
known or identified to me to be the individual foregoing document and acknowledged the sa	I described in and who executed the ame as a free act and deed for uses and
purposes therein expressed.	
foregoing document and acknowledged the sepurposes therein expressed.	Margaret F. Lacene
OF THE STATE OF TH	
NOTARIAL CERTIFIC	CATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF WEST VIRGINIA) SS County/Parish of Languete)	
On this 13th day of May	, 26, personally appeared
before me,	Kuhlman
known or identified to me to be the individual foregoing document and acknowledged the sapurposes therein expressed.	described in and who executed the
OFFICE OF THE PARTY OF THE PART	Vita In Junah
SEAL STATE OF WEST VERSION	Notary Public

NITA J. DUNLAP 87. ALBANIS, WY 20177

This Assignment 221 is in the ENGLISH issignings and has the some meaning in other languages with the same 221 arouter and R-Tail

FORM 221

Docket Ref. 63558 css

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland)) SS)	
On this 21 day of 7	Tay	_, 20 <u>0식</u> _, personally appeared
	Pamela J. Stirn	

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 Carla S. Samuel
Notary Public, Bay County, Michigan
Acting In Midland County, Michigan
My Commission Expires October 10, 2005

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERISTATE OF WEST VIRGINIA County/Parish of		and the state of t
On this day of	may	2004 Sersonally appeared
	Timothy	7 T. Wenzel

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged same as a free act and deed for uses and purposes therein expressed.

SEAL

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:

DOW GLOBAL TECHNOLOGIES INC.

2040 Dow Center Midland, Michigan 48674

Midland, Michigan 48674 United States of America

Midland, Michigan 48674, USA

hereby accept the ASSIGNMENT attached hereto which is dated: May 17, 2004, May 24, 2004, June 01, 2004, and May 21, 2004

From, the ASSIGNOR: Daniel J. Arriola, 4608 Arbor Drive, Midland, Michigan 48640, United States of America, Citizen of United States of America; Marilyn Bokota, 4431 West Lang, Beaverton, Michigan 48612, United States of America, Citizen of United States of America; Edmund M. Carnahan, 4619 Twin Elm Drive, Fresno, Texas 77545, United States of America; David D. Devore, 4901 East Shaffer, Midland, Michigan 48642, United States of America, Citizen of United States of America; Phillip D. Hustad, 3618 Rose Water Court, Manvel, Texas 77578, United States of America, Citizen of United States of America

of the invention entitled:

Signed at

CATALYST COMPOSITION COMPRISING SHUTTLING AGENT FOR ETHYLENE COPOLYMER FORMATION

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.

this 10 day of November, 20 10
By: My Company Control By: John B. Treangen Authorized Representative
NOTARIAL CERTIFICATE (Corporation)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)
On this 6 day of 100000000000000000000000000000000000
A delegation of signature authority of said Corporation
which I have seen, appointing the said individual 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

Kathy Sue Wertz NOTARY PUBLIC, MICHAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2012

> PATENT REEL: 025381 FRAME: 0769

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scope of the objects or activities of said corporation.