

Patent

5-13-03

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party 2.	Name and address of receiving party
Wendy D. Hoenig Teresa Karjala	Name: The Dow Chemical Company
Li-Min Tau Clark H. Cummins	Street Address: 2030 Dow Center
Mark J. Mullins H. Craig Silvis Thoi H. Ho	City: Midland State: MI ZIP: 48674
3. Nature of conveyance:	
■ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other	
Execution Date: October 6, 1998; September 18, 1998; S 30, 1998; September 24, 1998	September 30, 1998; September 22, 1998; September
4. Application number(s) or patent number(s):	
If this document is being filed together with a new app and the application is being see and is identified as Attorney Docket No.	nt via Express Mail having Express Mail Label No.
A. Patent Application No.	B. Patent No.
A. Patent Application No.	B. Patent No.
A. Patent Application No. 09/129,163 Additional numbers atta	B. Patent No.
A. Patent Application No. 09/129,163 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be	B. Patent No. ached? □ Yes ■ No 6. Total number of applications and
A. Patent Application No. 09/129,163 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No. ached? □ Yes ■ No 6. Total number of applications and patents involved: One (1)
A. Patent Application No. 09/129,163 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Alan E. Wagner	B. Patent No. ached? □ Yes ■ No 6. Total number of applications and patents involved: One (1) 7. Total fee \$40.00 □ Enclosed Authorized to be charged to
A. Patent Application No. 09/129,163 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Alan E. Wagner Internal Address: Whyte Hirschboeck Dudek S.C.	B. Patent No. ached? □ Yes ■ No 6. Total number of applications and patents involved: One (1) 7. Total fee \$40.00 □ Enclosed
A. Patent Application No. 09/129,163 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Alan E. Wagner Internal Address: Whyte Hirschboeck Dudek S.C. Street Address: 111 East Wisconsin Avenue, Suite 216	B. Patent No. 6. Total number of applications and patents involved: One (1) 7. Total fee \$40.00 Enclosed Authorized to be charged to Deposit Account No. 23-205
A. Patent Application No. 09/129,163 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name:Alan E. Wagner Internal Address: Whyte Hirschboeck Dudek S.C. Street Address: 111 East Wisconsin Avenue, Suite 210 City: Milwaukee State: WI ZIP: 53202 DO NOT USE	B. Patent No. 6. Total number of applications and patents involved: One (1) 7. Total fee \$40.00 Enclosed Authorized to be charged to Deposit Account No. 23-205 THIS SPACE
A. Patent Application No. 09/129,163 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name:Alan E. Wagner Internal Address: Whyte Hirschboeck Dudek S.C. Street Address: 111 East Wisconsin Avenue, Suite 216 City: Milwaukee State: WI ZIP: 53202 DO NOT USE 9. Statement and signature. To the best of my knowledge and belief, the foregoing	B. Patent No. ached? □ Yes ■ No 6. Total number of applications and patents involved: One (1) 7. Total fee \$40.00 □ Enclosed ■ Authorized to be charged to Deposit Account No. 23-205 THIS SPACE

Total number of pages including cover sheet: Five (5)

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.

Washington Street 1790 Building

•	
ENT attached hereto which is dated:	December 4, 2002
E DOW CHEMICAL COMPANY 0 Dow Center Iland, Michigan 48674	
ION OF LOW DENSITY DOLVE	PHATE ENE
all be deemed a part of the said ASSI	
lichigan 48674, USA	-
lienber, 2002	
DOW GLOBAL TECHNOLO	OGIES INC.
By: Moreen D. WARRICK Secretary	irick
AL CERTIFICATE ((Corporation)
) SS d) (ARRICK, Secretary, DOW GLOB be the individual described in and white sa free act and deed for uses and pur orated under the laws of the State of	o executed the foregoing document poses therein expressed by authority Delaware, United States of
ority, dated February 11, 2002, is ba	sed on
he said Corporation,	
the said individual Attorney-in-fact of of the said corporation and that the of the objects or activities of said corp Notary Publi ANTE M. ME NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUN MY COMMISSION EXPIRES SEE	purposes for which said document is poration. ITZEL JITY, MICHIGAN HTY, MICHIGAN
	E DOW CHEMICAL COMPANY O Dow Center Illand, Michigan 48674 ITED STATES OF AMERICA ION OF LOW DENSITY POLYET ith all rights and obligations deriving all be deemed a part of the said ASSI Ichigan 48674, USA CENTIFICATE MERICA Secretary AL CERTIFICATE MERICA SS O CARRICK, Secretary, DOW GLOB O the individual described in and wh s a free act and deed for uses and purorated under the laws of the State of ority, dated February 11, 2002, is bathe said Corporation, the said individual Attorney-in-fact fof the objects or activities of said corp Notary Public, BAY COL ACTING IN MIDLAND COUNTY ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO Notary Public, BAY COL ACTING IN MIDLAND COUNTY MIDLAND COUNTY O DOW GLOBAL TECHNOLO Notary Public, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO O DOW GLOBAL TECHNOLO NOTARY PUBLIC, BAY COL ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO O DOW GLOBAL TECHNOLO ACTING IN MIDLAND COUNTY O DOW GLOBAL TECHNOLO O

m

PATENT REEL: 014055 FRAME: 0352

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number FORM 440

ASSIGNMENT

(with Priority Rights)

and INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674

UNITED STATES OF AMERICA

a corporation organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Wendy D. Hoenig, 205 Violet, Lake Jackson, Texas 77566, United States of America

Teresa Karjala, 56 Mandevilla, Lake Jackson, Texas 77566, United States of America

Li-Min Tau, 113 Poinciana Street, Lake Jackson, Texas 77566, United States of America

Clark H. Cummins, 4317 Washington Street, Midland, Michigan 48642, United States of America

Michael J. Mullins, 302 Juniper, Lake Jackson, Texas 77566, United States of America

H. Craig Silvis, 1908 Candlestick Lane, Midland, Michigan 48642, United States of America

Thoi H. Ho, 54 Orchid, Lake Jackson, Texas 77566, United States of America

of an invention relating to and entitled:

RHEOLOGY MODIFICATION OF LOW DENSITY POLYETHYLENE

We do hereby declare, for good and valuable consideration received, sell, assign, andransfer unto:

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES INC.

and and aviating under the laws of the State of Delaware. United States of America our entire right title

Washington Street 1790 Building

Midland, Michigan 48674

UNITED STATES OF AMERICA

and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its
own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute
application and any corresponding applications in any and all countries, including all rights to claim priority under all
International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the
Priority Number 09/129,163 and Filing Date August 5, 1998
in United States of America
of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the Corresponding Application No
of the corresponding application in any country where that patent property must be entered forecordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that 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 Sworn by us at Midland, Michigan 48674, USA
this A day of December 2000
THE DOW CHEMICAL COMPANY
CORP.
SEAL By: LNC Tr
GRAHAM E. TAYOOR
Associate General Counsel, Intellectual Property

Attach Notarial Certificate (Corporation)

MKE/808293.1

PATENT

REEL: 014055 FRAME: 0353

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number. FORM 550

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AME STATE OF MICHIGAN County/Parish of Midland	RICA)) SS)
before me, GRAHAM E. TAYI DOW CHEMICAL COMPANY executed the foregoing document purposes therein expressed by autl of Delaware, United States of Ar	OR, Associate General Counsel, Intellectual Property, THE known or identified to me to be the individual described in and who nd acknowledged the same as a free act and deed for uses and ority of the said corporation incorporated under the laws of the State erica. dated September 7, 1999, is based on
A Resolution of the Board of Dir	ectors of the said Corporation,
foregoing document on behalf of t	aid individual Attorney-in-fact with full power to sign the se said corporation and that the purposes for which said document is objects or activities of said corporation.
SEAL	Notary Public
	JANE M. NEITZEL NOTARY PUBLIC, BAY COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES SEPTEMBER 26, 2003

m

PATENT REEL: 014055 FRAME: 0354 FORM 110 (R 5/97)

Docket Ref. 44265

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:

RHEOLOGY MODIFICATION OF LOW DENSITY POLYETHYLENE

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 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. 09/12	29,163	Filing Date August 5, 1998
in country the United	l States of America	
of the application, on	which the claim for priority will be based	d; and in and to any Letters Patent that may be issued for the
invention in any and a	all countries. I/we do hereby agree to ass	ist 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 al	Il countries any document relating to app	lications derived from, corresponding to or equivalent to the above
		reby authorize Assignee or its designee (or nominee(s)) to insert
here any correspondi		
Application No	Filing	Date
in country		
to the above Priority of	application of any country where that co	untry's patent property must be identified and entered hereinabove
for recordal of this As	asignment. I/we authorize Assignee or its	designee to translate this Assignment into all languages necessary;
and we request that ar	ny such Letters Patent be issued to Assign	nee; and consent to the recordal of this Assignment, or a Notarial
True Copy thereof, be	eing under covenant not only that I/we ha	we full power to make the same, but also that such assigned rights
are not encumbered b	y any grant, license, or other right hereto	fore given.
Subscribed and Declared by me/us		T COCAL LICA
At: Freeport, Tex	as 77541, USA f D. 1. 64 19 98	At: Freeport, Texas 77541, USA this 18th day of Sew tember 1998
Effective as of Au	gust 8, 1998.	Effective as of August 5, 1998.
Signature:	Wind he I Holme	Signature: V. Payou
	Wendy D. Hoenig	Full Name: Teresa Karjala
Residence:	205(Violet	Residence: 56 Mandevilla
i i	Lake Jackson, Texas 77566	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
	United States of America	Of Country: United States of America
<u> </u>		
At: Freeport, Tex	as 77541 USA	At: Midland, Michigan, 48674, USA
this / day o	of Cot 1995	this 30 day of Scatable 1998
Effective as of Au		Effective as of August 5, 1998.
T.Heetive as of Ale		
Signature:		Signature: /// // Culin
Full Name:	Li-Min Tau	Full Name: Clark H. Cummins
	113 Poinciana Street	Residence: 4317 Washinton Street
		Midland, Michigan 48642
	Lake Jackson, Texas 77566 United States of America	Country: United States of America
[Country .		Citizenship: United States of America
Chile Children	United States of America	P. O. Address: Same as Residence
	Same as Residence	
F	The Dow Chemical Company	Employed By: The Dow Chemical Company
Of Country:	United States of America	Of Country: United States of America

This Assignment 113 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. 44265

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

At: Midland, Michigan 48674, USA this
At:
At:
At:thisday of19

FORM 222 Docket Ref. 44265

NOTARIAL CERTIFICATE (INDIVIDU

UNITED STATES OF AMERICA STATE OF TEXAS County/Parish of BRAZORIA 6 day of October ·d before me, Wendy D. Hoenig 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, State of Texas Commission Expires March 10 2002 NOTARIAL CERTIFICATE (INDIVIDUAL) UNITED STATES OF AMERICA STATE OF TEXAS SS County/Parish of BRAZORIA 19<u>91</u>, personally appeared before me, Teresa Karjala known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a fregact and deed for uses and purposes therein expressed. **AUTREY L. BROWN** Notary Public, State of Toxas-My Commission Expires Jan. 20, 0.000 NOTARIAL CERTIFICATE (INDIVIDUAL) UNITED STATES OF AMERICA STATE OF TEXAS SSCounty/Parish of BRAZORIA On this 18 day of <u>leptember</u> 19<u>98</u>, personally appeared before me, Li-Min Tau 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. AUTREY L. BROWN Notary Public, State of Texas My Commission Expires Jan. 25, 2000

> **PATENT** REEL: 014055 FRAME: 0357

FORM 222 Docket Ref. 44265

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA) STATE OF TEXAS) SS County/Parish of BRAZORIA)		
On this <u>22</u> day of <u>Suptemb</u> before me,		
known or identified to me to be the indi-	thael J. Mullins ridual described in and who executed the the same as a free act and deed for uses and	
SEA TAMMY L. TIPPS Notary Public, State of Texas My Communic Expires March 10 2002	Jammy L. Dypo Notary Fablic	
NOTARIAL CER	rificate (individual)	
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of MIDLAND)		
On this 30 day of Septembefore me,	1998, personally appeared	
known or identified to me to be the indi-	rk H. Cummins vidual described in and who executed the the same as a free act and deed for uses and	
011 A J	Carla & Samuel	
SEAL	Notary Public CARLA S. SAMUEL NOTARY PUBLIC, BAY COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES OCTOBER 10, 2000	
NOTARIAL CERTIFICATE (INDIVIDUAL)		
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of MIDLAND)	3	
before me,	1998, personally appeared	
known or identified to me to be the indi-	. Craig Silvis vidual described in and who executed the the same as a free act and deed for uses and	
SEAL	Notary Public	
	REBECCA SUE HOLLINGSHEAD NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN NAY COMMISSION EXPIRES NOVEMBER 25, 2000	

MY COMMISSION EXPIRES NOVEMBER 25,

This Assignment 222 is in the NGLISH language and has the same meaning in other languages with the same 222 number and R/Date.

Assignment 222 is in the ENGLISH language and has the same meaning in other languages with the same 222 number and R/Date

Docket Ref. 44265 **FORM 222**

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF TEXAS County/Parish of BRAZORIA

September 1998, personally appeared On this $\frac{34}{2}$ day of $\frac{1}{2}$ before me,

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: 12/16/2002

