## 05-15-2002

U.S.	DEPARTMENT OF COMMERCE
	Patent and Trademark Office

102090117	
To the Honorable Control of Patents and Trademarks. Please record the attached origin	nal documents or copy thereof.
1. Name of conveying party(ies): Yunwa W. Cheung, Stephen F. Hahn, James C. Stevens, Francis J. Timmers, Gregory F. Schmidt, Thoi H. Ho, Robert H. Terbrueggen  5 -10-07	Name and address of receiving party(ies):  Name: The Dow Chemical Company Internal Address: 2030 Dow Center  Midland, Michigan 48674
Additional name(s) of conveying party(ies) attached? □ yes ■ no	Street Address: 2030 Dow Center  Midland, Michigan 48674
3. Nature of Conveyance:	
■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other	Additional name(s) & address(es) attached? □ Yes ■ No
Execution Date: 11/13/97, 11/20/97, 11/3/97, 11/21/97, 1/10/98, 11/4/97 and 11/10/97; respectively.	
4. Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution date of the application.	plication is:
A. Patent Application No.(s)	B. Patent No.(s)
09/529,903	
Additional numbers attached?	Yes ■ No
5. Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: 1
Name: The Dow Chemical Company Internal Address: 2301 Brazosport Boulevard B 1211	7. Total fee (37 CFR 3.41):
Street Address: 2301 Brazosport Boulevard B 1211	■ Authorized deficiency to be charged to deposit account.*
City: <u>Freeport</u> State: <u>TX</u> Zip: <u>77541</u>	*If check is not received with this correspondence or additional fees are required, please charge to deposit account 10-0447 (43225.42719BUSP) (Bai-3570)
(C:08) 90.90 W	8. Deposit account number: 10-0447
DO NOT USE THIS SI	(Attach duplicate copy of this page if paying by deposit account)  PACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and corr  J. Benjamin Bai, Reg. No. 43,481  Name of Person Signing  Total number of pages comprising cover sheet: 1	

ette atmettoetme

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and RODate

OIPE ( ) IN THE PERMITTED IN THE PERMITT

Docket Ref. 42719

## INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I 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: SULFONATED α-OLEFIN/VINYLIDENE AROMATIC MONOMER AND/OR HINDERED ALIPHATIC OR CYCLOALIPHATIC VINYLIDENE MONOMER INTERPOLYMERS

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 exercisible 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 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 International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Application No. 60/062873

Filing Date October 21, 1997

in country United States of America

of this application, when received, on which the 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 equivalen		
Application No	Filing Date	
in country		
to the above Priority application o	any country where that country's patent property must be identified and entered hereing	above
for recordal of this Assignment. I	we authorize Assignee or its designee to translate this Assignment into all languages nece	essary
and we request that any such Lette	's Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Nota	ırial
True Copy thereof, being under co	renant not only that I/we have full power to make the same, but also that such assigned ri	ights
are not encumbered by any grant,	cense, or other right heretofore given.	
• • •	-	

Subscribed and Declared by me/us:

At: Freeport, Texas 77541 USA this 13 day of 1997 Effective as of October 21, 1997.		
Signature:	in Ma Cheung	
Full Name:	Yunwa W. Cheung	
Residence	510 That Way, Apartment 810	
	Lake Jackson, Texas 77566	
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	

	lichigan 48674 USA	_
this <u>26</u> day of	November	19-7
Effective as of (	October 21, 1997.	
	15	
Signature:	11/6/1000	
Full Name: 7	Stephen F. Hahn	
Residence	6267 Neiner Road	
	Sanford, Michigan 48657	
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	

	Texas 77541 USA	
this 3rd day of November 1997		
	October 21, 1997. A	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Signature:	Dine . year	
Full Name:	James C. Stevens	
Residence (	2026 Pecan Trail Drive	
\	Richmond, Texas 77469-6719	
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	

	Aichigan 48674 USA	
this 21 day of 100 19		
Effective as of	October 21, 1997.	
	, 1	
Signature	Truck I Tum and	
Full Name:	Francis J. Timmers	
Residence	4605 Lund	
	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	

**FORM 113** 

Page two of two

Docket Ref. 42719

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

Ar Lerin	ett Square, PA 19348	At: Freegort, Texas 77541 USA	
this / V day	of JANUARY 1998	this 4th day of November	199
Effective as of	October 21, 1997.	Effective as of October 21, 1997.	
C:	bryong J. Solmet	Signature: Tun' 11 16	~
Signature: Full Name.	Gregory F. Schmidt	Full Name: Thoi H. Ho	
Residence	215 Crestview Drive	Residence 54 Orchid Court	
Residence	Kennett Square, Pennsylvania 19348	Lake Jackson, Texas 77566	
Country:	United States of America	Country: United States of America	
Citizenship:	United States of America	Citizenship: United States of America	
	Same as Residence	P. O. Address: Same as Residence	
	The Dow Chemical Company*	Employed By: The Dow Chemical Company Of Country: United States of America	
Of Country:	United States of America	Of Country. Cinted States of America	
•	*At the time invention was made.		_
	Texas 77541 USA	At:	
	of NOVEMBER 1997		19
Effective as of	October 21, 1997.		
Cignotura	ent I		
Full Name:	Robert H. Terbrueggen	Signature:	
	69 Chervil Common	Full Name:	
	Lake Jackson, Texas 77566	Residence	
	United States of America		
Citizenship:	United States of America	Country:	
	Same as Residence	Citizenship: P. O. Address:	
	The Dow Chemical Company	Employed By:	
Of Country:	United States of America	Of Country:	
At:			
this day	of19	At:	
		this day of1	9
Signature:		£:	
Full Name:		Signature:	
Residence		Residence	
C		Nosidelipe	
Country:		Country:	
Citizenship: P. O. Address:		Citizenship:	
Employed By:		P. O. Address:	
Of Country:		Employed By:	
		Of Country:	
			_
A 4.		A • ·	
At:	-6 10	At: this day of 1	9
nis day	of19	this tay of i	·
Signature:		Signature:	
Full Name:		Full Name:	
Residence		Residence	
_			
Country:	l	Country:	
Citizenship:		Citizenship:	
P. O. Address:		P. O. Address:	
Employed By:	j	Employed By: Of Country:	
Of Country:	•	Or Country.	

PATENT REEL: 012880 FRAME: 0576 Assignment 222 is in the ENGLISH language and has the same meaning in other languages with the same 222 number and R/Date

FORM 222

Docket Ref. 42719

## NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA ) STATE OF MICHIGAN ) SS County/Parish of Midland )	
On this 21 day of NCCC niles before me,	19 <mark>077,</mark> personally appeared
Francis J. Tim known or identified to me to be the individual description of document and acknowledged the same a purposes therein expressed.	cribed in and who executed the as a free act and deed for uses and
SEAL	Notary Public
ded	DEBORAH C. DuLUDE Notary Public, Midland County, Michigan My Commission Expires October 22, 1998
NOTARIAL CERTIFICAT	E (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS County/Parish of Brazoria )	
On this 4 day of <u>november</u> before me,	$\underline{}$ 19 $\underline{97}$ , personally appeared
Thoi H. H known or identified to me to be the individual description of document and acknowledged the same a purposes therein expressed.	ribed in and who executed the
SEAL TOTAL TOTAL STATE OF THE SEAL SEAL STATE OF THE SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEA	Dammy L. I pps Notary Public
NOTARIAL CERTIFICAT	E (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS County/Parish of Brazoria )	
On this 10 day of 71674/11666 before me,	1997, personally appeared
Robert H. Terbr known or identified to me to be the individual desc foregoing document and acknowledged the same a purposes therein expressed.	ribed in and who executed the
SEAL TAMILY L. TIPPS  Discrept Guideau, State of Texas  Gy C. Land Land Experts March 10, 1998	Danny L. Japo Notary Public

**PATENT REEL: 012880 FRAME: 0577**  Docket Ref. 42719

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

NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS County/Parish of Brazoria )
On this 13 day of November 1997, personally appeared before me,
Yunwa W. Cheung 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, Stats of Texas My Commission Expires Jan. 25, 2000
NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA ). STATE OF MICHIGAN ) SS County/Parish of Midland )
On this A day of November 1977, personally appeared before me,
Stephen F. Hahn 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
DEBORAH C. DuLUDE  Notary Public Midland County, Michigan My Common Search October 22, 1998
NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA ) STATE OF TEXAS ) SS County/Parish of Brazoria )
STATE OF TEXAS County/Parish of Brazoria  On this 3 day of November 1997, personally appeared before me,  James C. Stevens
James C. Stevens 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

Autrey L. Brown

FORM 220

Docket Ref. 42719

## NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA )
STATE OF PA ) SS
County/Parish of Chester)

On this 10th day of January 1998, personally appeared before me.

Gregory F. Schmidt

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** 

ŧ

Notarial Seal Sandra L. Smith, Notary Public East Mariboro Twp., Chester County My Commission Expires Merch 2, 1908

Member, Pennsylvania Association of Motarles

PATENT REEL: 012880 FRAME: 0579

**RECORDED: 05/10/2002**