FORM PTO-1595 Rev. 08/28/92

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): James P. Godschalx Kenneth J. Bruza Qing Shan J. Niu Clark H. Cummins Paul H. Townsend III Additional name(s) of conveying party(ies) is attached. 3. Nature of conveyance: x Assignment Cother Cother Execution Date(s) February 4, 7, 9, 2000 Application Number(s) or Patent Number(s): 09/447,012 November 22, 1999 10/044,012 January 11, 2002
James P. Godschalx Kenneth J. Bruza Qing Shan J. Niu Clark H. Cummins Paul H. Townsend III Additional name(s) of conveying party(ies) is attached. Nature of conveyance: x Assignment Security Agreement Other Execution Date(s) February 4, 7, 9, 2000 THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 UNITED STATES OF AMERICA Additional name(s) & address(es) are attached.
3. Nature of conveyance: x Assignment Security Agreement Other Execution Date(s) February 4, 7, 9, 2000 Effective as of November 22, 1999
x Assignment
3. Application Number(s) or Patent Number(s): 09/447.012 November 22, 1999 10/044,012 January 11, 2002
If this document is being filed together with a new application, the execution date of the application is:
Additional Application Number(s) or Patent Number(s) are attached.
5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1
The Dow Chemical Company Intellectual Property P. O. Box 1967 7. Total fee (37 CFR 3.41) \$80.00 ☐ Enclosed ☐ Please deduct the above fee from our Deposit
Midland, Michigan 48641-1967 United States of America 8. Deposit Account <u>04-1512</u> . If this estimate is incorrect, please debit or credit our account accordingly.
BULUE THIS SPACE
9. Statement and signature:

of the original document.

Dated: August 27, 2003

44,528 US

09/03/2003 01 FC:80F1

> Office Professional (989) 636-1954

Total number of pages including attachments: 6

PATENT REEL: 014442 FRAME: 0950 This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Dau

FORM 110 (R 5/97)

Subscribe

Docket Ref. 44528

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:

POLYARYLENE COMPOSITION WITH ENHANCED MODULUS PROFILES

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

do hereby authorize Assignee or its designee to insert here the	mational Convention(s) and Treaties in the name of Assignee, and						
Application No. 09/447,012 Filing Dat	e November 22, 1999						
in country the United States of America							
of the application, on which the claim for priority will be based; a	nd 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							
interference, conflict, opposition or litigation which may arise inve							
execute for any and all countries any document relating to applica							
identified application as Assignee may request; and I/we do hereb	y authorize Assignee or its designee (or nominee(s)) to insert here						
any corresponding equivalent							
Application No. 10/044,012 Filing D	ate January 11, 2002						
in country the United States of America							
to the above Priority application of any country where that count							
for recordal of this Assignment. I/we authorize Assignee or its de							
	and consent to the recordal of this Assignment, or a Notarial True						
Copy thereof, being under covenant not only that I/we have full po							
encumbered by any grant, license, or other right heretofore given.							
d and Declared by me/us:							
a and Declared by Mc/us.							
At: Midland, Michigan 48674 U.S.A.	At: Midland, Michigan 48674 U.S.A.						
this 7 day of Pannay, 20c	this 4 day of fibruated , 20 co						
Effective as of November 22, 1999	Effective as of November 22, 1999						
Effective as of November 22, 1999	Effective as of November 22, 137						
Signature: for f. Hely	Signature: Kayuwth Buche						
Full Names James P. Godschalx	Full Name: Kenneth J. Bruza						
Residence: 2205 Plymouth Street	Residence: 5651 North Luce Road						
Midland, Michigan 48672	Alma, Michigan 48801						
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						
Of Country. United States of America							
A. M. H. J. M. J 40074 H.C.A	A. M. H. A.M. H. AOGTATIO						
At: Midland, Michigan 48674 U.S.A. this G day of February 20 00	At: Midland, Michigan 48674 U.S.A.						
this <u>9</u> day of <u>Frhurary</u> , 20 00 Effective as of November 22, 1999	this 7 day of Floriday, 2000						
Effective as of November 22, 1999	Effective as of November 22, 1999						
	PILIP						
Signature: Niw	Signature: (L. / 12- (L.						
Full Name: Qing Shan J. Niu	Full Name: Clark H. Cummins						
Residence: 305 West Chapel Lane	Residence: 2304 Westbury 4317 Washington						
Midland, Michigan 48640	Midland, Michigan 48642						
Country: United States of America	Signature: Full Name: Clark H. Cummins Residence: William A Westbury 13/7 60/05/605/76 Midland, Michigan 48642 Country: United States of America Citizenship: D. O. Address: Country: Count						
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						

FORM 113

Page two of two

Docket Ref. 44528

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

At: Midland, Michigan 48674 U.S.A.	At:	
this 7th day of November 200	this day of 2	20
Effective as of November 22, 1999		
Signature: Paul & Journal Com		
Signature: laul b. Journal th	Signature:	
Full Name: Paul H. Townsend III	Full Name:	
Residence: 1102 Willard	Residence:	
Midland, Michigan 48642		
Country: United States of America	Country:	
Citizenship: United States of America	Citizenship:	
P. O. Address: Same as Residence	P. O. Address:	
Employed By: The Dow Chemical Company	Employed By:	
Of Country: United States of America	Of Country:	
		-
At: day of 20_	— At:	
this day of 20	At: this day of 2	20
Signature		
Signature:Full Name:	Signature:	
Residence:	Full Name:	
Residence.	Residence:	
Country:		
Citizenship:	Country:	
P. O. Address:	Citizenship:	
Employed By:	P. O. Address:	
Of Country:	Employed By:	
j.	Of Country:	
		_
At: day of 20		
this day of	At:	
	this day of 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: day of 20	
this day of	this day of 20	
Signature:	Signature:	
Full Name:	Full Name:	
Residence:	Residence:	
Country:	Country:	
Citizenship:	Citizenship:	
P. O. Address:	P. O. Address:	
Employed By:	Employed By:	
Of Country:	Of Country	

FORM 222

Docket Ref. 44528

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
before me,	, 20 <u>00</u> , personally appeared
known or identified to me to be the ind	mes P. Godschalx ividual described in and who executed the I the same as a free act and deed for uses and
SEAL	Notary Public
	KAREN A. LaCROIX Notary Public, Midland County, Michigan My Commission Expires February 10, 2000
NOTARIAL CE	RTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) S County/Parish of Midland)	
On this day of Jelstia its before me,	
known or identified to me to be the ind	Kenneth J. Bruza lividual described in and who executed the d the same as a free act and deed for uses and
SEAL	Notary Public LORA R. MATUSZAK NOTARY PUBLIC, SAGINAW COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JUNE 22, 2001
NOTARIAL CE	RTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) County/Parish of Midland)	SS
On this GH day of Tebrace before me,	J
known or identified to me to be the inc	Qing Shan J. Niu lividual described in and who executed the d the same as a free act and deed for uses and
SEAL	Notary Public
	KAREN A. LaCROIX Notary Public, Midland County, Michigan My Commission Expires February 10, 2000

This Assignment 221 is in the ENGLISH language and has the same meaning in other languages with the same 221 number and R/Date.

221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221 | ### 221

This Assignment 221 is in the ENGLISH language and has the same meaning in other languages with the same 221 number and R/Date

FORM 221

Docket Ref. 44528

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)
On this
Clark H. Cummins
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 KAREN A. LaCROIX Notary Public, Midland County, Michigan My Commission Expires February 10, 2000
NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)
On this 7th day of 4 zbrucay 20 00, personally appeared before me,
Paul H. Townsend III
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

KAREN A. LaCROIX Notary Public, Midland County, Michigan My Commission Expires February 10 2000

TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

at Midla	ınd, Michigan 4	8674, USA			
this <u>27th</u>	day of	August	20	03	
		Off	rystal S. Roice Profess		Y
	NOTARIA	AL CER	TIFICA	ſΈ	
UNITED STATES (STATE OF MICHIC County/Parish of M	AN)	SS			
On this <u>27th</u> before me,	day of <u>Au</u>	ıgust	20 <u>03</u>	, perso	onally appeared
	C	Crystal S. Re	ohde		
known or identified and acknowledged expressed.					
SEAL		Oar Notary P	ublic	ann	King

RECORDED: 09/02/2003

Caroline Ann King
Notary Public, Gladwin County, Michigan
Acting in Midland County, Michigan
My Commission Expires June 12, 2007

PATENT REEL: 014442 FRAME: 0955