FORM PTO-1595 Rev. 08/28/92

F

02-03-2004



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

1.30.04 102	660496			
•	ease record the attached original documents or copy thereof.			
Name of conveying party(ies): THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 UNITED STATES OF AMERICA	2. Name and address of receiving party(ies): DOW GLOBAL TECHNOLOGIES INC. Washington Street 1790 Building Midland, Michigan 48674 UNITED STATES OF AMERICA			
Additional name(s) of conveying party(ies) is attached.	Additional name(s) & address(es) are attached.			
3. Nature of conveyance: x Assignment Security Agreement Other Execution Date(s) January 20, 2004	☐ Merger☐ Change of Name			
Application Number(s) or Patent Number(s):				
60/175,894 January 13, 2000 09/756,449 January 08, 2001	2034 JAN 30 AM 9: L OPR/FINANCE			
If this document is being filed together with a new a	pplication, the execution date of the application is:			
5. Name and address of party to whom correspondence concerning document should be mailed: The Dow Chemical Company Intellectual Property P. O. Box 1967 Midland, Michigan 48641-1967 United States of America	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$80.00 ☐ Enclosed ☐ Please deduct the above fee from our Deposit Account 8. Deposit Account 04-1512. If this estimate is incorrect, please debit or credit our account accordingly. 			
DO NOT US	E THIS SPACE			
 Statement and signature: To the best of my knowledge and belief, the foregoing in copy of the original document. 	nformation is true and correct and any attached copy is a true			
Dated: January 28, 2004	Crystal S. Rohoe Office Professional			

60,310A US

02/03/2004 DBYRNE 00000017 041512 60175894

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(989) 636-1954

Total number of pages including attachments: 5

PATENT

REEL: 014929 FRAME: 0746

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):

Christopher M. Edwards, 2502 Abbott Road, Apt N10, Midland, Michigan 48642, United States of America; Edward Louis D'Hooghe, Steensedijk 56, Hulst, The Netherlands NL 4561 GN

of an invention relating to and entitled:

SMALL CROSS-SECTION COMPOSITES OF LONGITUDINALLY ORIENTED FIBERS AND A THERMOPLASTIC RESIN AS CONCRETE REINFORCEMENT

We do hereby declare, for good and valuable consideration assign, and transfer unto:

received, sell,

WE, the ASSIGNEE:

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, United States of America our entire right, title 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 60/175,894 and Filing Date January 13, 2000				
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 Assignce 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. 09/756,449 and Filing Date <u>January 08, 200</u> 1				
in the United States of America				
of the corresponding application in any country where that patent property must be entered for recordal 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 20 day of January, 2004 THE DOW CHEMICAL COMPANY				
CORP.				
SEAL By: MITT				
GRAHAM E. TAYLOR				
Authorized Representative				

Attach Notarial Certificate (Corporation)

CASE NO.60310A/ssp

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 AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)
On this day of	thorized Representative,

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 by authority of the said corporation incorporated under the laws of the State of Delaware, United States of America.

I further certify that said authority, dated February 13, 2003, is based on

A Resolution of the Board of Directors of the said Corporation,

which I have seen, appointing the said individual Attorney-in-fact 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 scope of the objects or activities of said corporation.

SEAL

Notary Public

Ann Heritier

Notary Public, Bay County, Michigan
Acting in Midland County

My Commission Expires December 03, 2006

PATENT REEL: 014929 FRAME: 0748 This Assignce 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

Midland, Michigan 48674

UNITED STATES OF AMERICA

hereby accept the ASSIGNMENT attached hereto which is dated:

From, the ASSIGNOR:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674

UNITED STATES OF AMERICA

of the invention entitled:

SMALL CROSS-SECTION COMPOSITES OF LONGITUDINALLY ORIENTED FIBERS AND A THERMOPLASTIC RESIN AS CONCRETE REINFORCEMENT

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.

Signed at	Midland, Michigan 48674, USA
this 28	day of January, 2004
	DOW GLOBAL TECHNOLOGIES INC.
CORE).
SEAL	By: Shop Sah
	PHILIPO. SHEPHERD
	President

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)
On this day of, 20, 20, personally appeared
before me, PHILIP D. SHEPWERD, President,
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 by authority of the said corporation incorporated under the laws of the State of Delaware, United States of America.
I further certify that said authority, dated February 11, 2002, is based on

an Authorization Policy of the said Corporation,

which I have seen, appointing the said individual Attorney-in-fact 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 scope of the objects or activities of said corporation.

SEAL

Notary Public Ann Heritier Notary Public, Bay County, Michigan Acting in Midland County My Commission Expires December 03, 2006

> PATENT REEL: 014929 FRAME: 0749

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	Midland	I, Michiga	n 48674, USA	\		
this <u>28^t</u>	h	_ day of	January		20 <u>04</u>	
			0		. Rohde fessional	PANY
		NOTAF	RIAL CEF	RTIFIC	ATE	
STATE O	STATES OF F MICHIGA arish of Mid	N) SS			
On this before me		_ day of _	January	20 <u>04</u>	, perso	onally appeared
			Crystal S. F	Rohde		
	owledged th					egoing document ourposes therein
SEA	<u> </u>		Notary	Notary Publi	Abby Doyle c, Saginaw County Midland County, Non Expires Septem	1ichidan

RECORDED: 01/30/2004

PATENT REEL: 014929 FRAME: 0750