0 2002

02-11-2002

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): 2. Name and address of receiving party(ies): THE DOW CHEMICAL COMPANY Yin H. So Robert A. DeVries 2030 Dow Center Mitchell G. Dibbs Robert L. McGee Midland, Michigan 48674 Edward O. Shaffer, II Michael J. Radler UNITED STATES OF AMERICA Richard p. DeCaire Additional name(s) of conveying party(ies) is attached. Additional name(s) & address(es) are attached. 3. Nature of conveyance: · 30·02 x Assignment ☐ Merger ☐ Change of Name ☐ Security Agreement Other _ Execution Date(s) October 16, 19, 22, 1998 4. Application Number(s) or Patent Number(s): 09/177,819 October 23, 1998 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. Name and address of party to whom correspondence Total number of applications and patents concerning document should be mailed: involved: 1 Total fee (37 CFR 3.41) \$40.00 Graham E. Taylor ☐ Enclosed The Dow Chemical Company Please deduct the above fee from our Deposit Intellectual Property Account P. O. Box 1967 Midland, Michigan 48641-1967 Deposit Account 04-1512. If this estimate is United States of America incorrect, please debit or credit our account accordingly. DO NOT USE THIS SPACE Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

43,004 US

02/08/2002 GTDN11 00000184 041512 09177819

Dated: January 8, 2002

01 FC:581 40.00 CH

Senior Administrative Assistant

Total number of pages including attachments: 6

(989) 636-7457

This Assignment 110 is in the ENGLISH tanguage and has the same meaning in other languages with the same 110 number and R/Dai

FORM 110 (R 5/97)

Docket Ref. 43004

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:

ACID FUNCTIONAL POLYMERS BASED ON BENZOCYCLOBUTENE

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	
	Application No. 09/177,819 Filing	Date October 23, 1998
	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
art .	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 inv	olving the invention or the patent or patents thereon, and to
	execute for any and all countries any document relating to applica	ations derived from, corresponding to or equivalent to the above
	identified application as Assignee may request; and I/we do herel	by authorize Assignee or its designee (or nominee(s)) to insert here
•	any corresponding equivalent	
	Application No Filing L	Date
	in country	
	to the above Priority application of any country where that cour	try's patent property must be identified and entered hereinabove
	for recordal of this Assignment. I/we authorize Assignee or its d	esignee to translate this Assignment into all languages necessary;
	and we request that any such Letters Patent be issued to Assigned	e; and consent to the recordal of this Assignment, or a Notarial True
	Copy thereof, being under covenant not only that I/we have full p	ower to make the same, but also that such assigned rights are not
	encumbered by any grant, license, or other right heretofore given	
	encumbered by any grant, needs, or other right nerecords given	
Cubaaniba	d and Declared by me/us:	
Subscribe	u and Declared by mous.	,
	At: Midland, Michigan 48674 U.S.A.	At: Midland, Michigan 48674 U.S.A.
		this 16 day of 0000 19 98
	this 4 day of 00 1902 1902	tills 76 day or
	strattura (2	l l l l l l l l l l l l l l l l l l l
	Signature: VING HWY SO	Signature: Robert a May
	Full Name: Ying H. So	Full Name: Robert A. DeVries
	Trun Name. Ting 11.00	

this $\frac{19}{4}$ day o	1 -OCTOPET 1910	tinis <u>76</u> day 0	1
Signature:	ling Hour So	Signature: Full Name:	Robert A. De Vries
Residence:	1524 Dilloway Drive Midland, Michigan 48640	Residence:	3408 Greenbrier Terrace 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		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: Midland, M	lichigan 48674 U.S.A. of October 1978	At: Midland, M	Michigan 48674 U.S.A. of October 19	48
	of October 1998	(Philles	
Signature:	CONTRACTOR OF THE PARTY OF THE	Signature:	Robert L. McGee	
Full Name:	Mitchell G. Dibbs	Full Name:		
Residence:	4410 Trailwood Circle South	Residence:	3606 Mary Jane Drive	
	Midland, Michigan 48642		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	

() Additional names and signatures are attached

FORM 113

Page two of two

Docket Ref. 43004

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. this 22 day of October 1978. Signature: Edward O. Shaffer, 11 Residence: 820 Honeysuckle Circle	At: Midland, Michigan 48674 U.S.A. this 16 day of October 1998 Signature: Michael J. Ragler Residence: 2712 Colony Drive
Midland, Michigan 48642	Residence: 2712 Colony Drive Midland, Michigan 48642
Country: United States of America	Country: United States of America
Citizenship: United States of America P. O. Address: Same as Residence	Citizenship: United States of America
Employed By: The Dow Chemical Company	P. O. Address: Same as Residence Employed By: The Dow Chemical Company
Of Country: United States of America	Of Country: United States of America
At: Midland, Michigan 48674 U.S.A. this 1998	At:
	thisday of19
Signature:	
Full Name: Richard P. DeCaire	Signature: Full Name:
Residence: 1903 Eastlawn B-2	Residence:
Midland, Michigan 48642 Country: United States of America	
Country: United States of America Citizenship: United States of America	Country:
P. O. Address: Same as Residence	Citizenship: P. O. Address:
Employed By: The Dow Chemical Company	Employed By:
Of Country: United States of America	Of Country:
Ar	· .
At:	At:
	this day of 19
Signature:	
Full Name:	Signature: Full Name:
Residence:	Residence:
Country:	
Citizenship:	Country: Citizenship:
P. O. Address:	P. O. Address:
Employed By: Of Country:	Employed By:
or country.	Of Country:
At:	At:
this day of 19	this day of 19
1	
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:

This 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. 43004

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
On this $\frac{19}{100}$ day of $1000000000000000000000000000000000000$	19 98, personally appeared
known or identified to me to be the individence foregoing document and acknowledged the purposes therein expressed.	Ving H. So dual described in and who executed the e same as a free act and deed for uses and
SEAL	Rotak Matungki Notary Public
hem	LORA R. MATUSZAK Notary Public, Saginaw County, Michigan Acting in Midland County, Michigan My Commission Expires June 22, 2001
NOTARIAL CERT	FICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
On this 16 day of Octobe before me,	19 %, personally appeared
known or identified to me to be the indivi	ne same as a free act and deed for uses and
SEAL	Adra R. Matuzak Notary Public
penh	LORA R. MATUSZAK NOTARY PUBLIC, SAGINAW COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JUNE 22, 2001
NOTARIAL CERT	IFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
On this 19 day of Cobe before me,	19 18, personally appeared
known or identified to me to be the indiv	ichell G. Dibbs idual described in and who executed the he same as a free act and deed for uses and
SEAL	Notary Public LORA R. MATUSZAK
ben	NOTARY PUBLIC, SAGINAW COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JUNE 22, 2001

FORM 222

Docket Ref. 43004

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
On this day of (Robert L. 1	19 %, personally appeared
known or identified to me to be the individual deforegoing document and acknowledged the same purposes therein expressed.	escribed in and who executed the
SEAL	Notary Public LORA R. MATUSZAK NOTARY PUBLIC, SÁGINAW COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JUNE 22, 2001
NOTARIAL CERTIFICA	TE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	1
On this day of	19 <u>78</u> , personally appeared
Edward O. S known or identified to me to be the individual deforegoing document and acknowledged the same	escribed in and who executed the
purposes therein expressed.	Lora R. Maturian
SEAL	Notary Public LORA R. MATUSZAK NOTARY PUBLIC, SAGINAW COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JUNE 22, 2001
NOTARIAL CERTIFICA	TE (INDIVIDUAL)
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of Midland)	
On this 10 day of 10 lobbr before me, Michael J.	19 / 8, personally appeared
known or identified to me to be the individual deforegoing document and acknowledged the sampurposes therein expressed.	escribed in and who executed the
SEAL	Notary Public NOTAR P. MATUSTAK
rem	LORA R. MATUSZAK NOTARY PUBLIC, SAGINAW COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JUNE 22, 2001

UNITED STATES OF AMERICA)

RECORDED: 01/30/2002

Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date

FORM 220

Docket Ref. 43004

NOTARIAL CERTIFICATE (INDIVIDUAL)

STATE OF MICHIGAN County/Parish of Midland) SS)		
On this A day of OC before me,	tober	19 <u>98</u> , personally ap	peared

Richard P. DeCaire

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

LORA R. MATUSZAK NOTARY PUBLIC, SAGINAW COUNTY, MICHIGAN **ACTING IN MIDLAND COUNTY, MICHIGAN** MY COMMISSION EXPIRES JUNE 22, 2001