06	-24-2002
FORM PTO-1595 Rev. 08/28/92 RE	U.S. DEPARTMENT OF COMMERCI Patent and Trademark Office 2132280
Assistant Commissioner for Patents and Trademarks: Pi	ease record the attached original documents or copy thereof.
 Name of conveying party(ies): Albert Charles Marie Achen 	 Name and address of receiving party(ies): DOW DEUTSCHLAND INC. Zweigniederlassung, Stade Buetzflethersand, P.O. Box 1120 21677 Stade, GERMANY
Additional name(s) of conveying party(ies) is attached.	Additional name(s) & address(es) are attached.
3. Nature of conveyance:	
 Assignment Security Agreement Other 	Merger Change of Name
Execution Date(s) June 1, 2000 Effect	ive as of February 2, 2000
4. Application Number(s) or Patent Number(s): 09/496495 February 2, 2000 If this document is being filed together with a new ap	plication, the execution date of the application is:
Additional Application Number	r(s) or Patent Number(s) are attached.
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved: $\underline{1}$
Graham E. Taylor The Dow Chemical Company Intellectual Property P. O. Box 1967	 7. Total fee (37 CFR 3.41) \$40.00 ☐ Enclosed ☑ Please deduct the above fee from our Deposit Account
Midland, Michigan 48641-1967 United States of America BYRNE 00000179 041512 09496495	 Deposit Account <u>04-1512</u>. If this estimate is incorrect, please debit or credit our account accordingly.
BYRNE 00000179 041512 09496495 40.00 CH	
) <u>po not u</u>	SE THIS SPACE
9. 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.

Dated: May 14, 2002

Crystal S. Honaman Honama

Crystal⁴S. Honamar Office Professional (989) 636-1954

Total number of pages including attachments: 5

PATENT REEL: 13005 FRAME: 0791

44,635

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.

FORM 110 (R 5/97)

Docket Ref. 44635

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

l/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:

TOUGHENED BENZOCYCLOBUTENE BASED POLYMERS AND THEIR USE IN BUILDING-UP PRINTED WIRING BOARDS

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:

> DOW DEUTSCHLAND INC. Zweigniederlassung, Stade Buetzflethersand, P.O. Box 1120 21677 Stade GERMANY

a corporation incorporated under the laws of the State of Delaware, United States of America and organized and existing under the laws of Germany

(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. 09/496,495 Filing Date February 2, 2000

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 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 <u>insert here any corresponding equivalent</u>

Application No.

Filing Date

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/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 Declared by me/us:

in country

Effective as of February 2, 2000 Signature:	At Midland, Mi	chigan 48674, U.S.A	At:		
Signature:	this <u>1</u> day	of <u><i>June</i></u> 2000	this day of	20	
Full Name: Alber/Charles Marie Achen Residence: 11, rue J. Jenner Fe67500 Haguenau Residence: Country: France Citizenship: France & Luxembourg P. O. Address: Same as Residence Employed By: Dow Deutschland, Inc. Of Country: Germany At:	Effective as of I	February 2, 2000			
Full Name: Alber/Charles Marie Achen Residence: 11, rue J. Jenner Fe67500 Haguenau Residence: Country: France Citizenship: France & Luxembourg P. O. Address: Same as Residence Employed By: Dow Deutschland, Inc. Of Country: Germany At:	0	At A.			
Residence: 11, rue J. Jenner F-67500 Haguenau Residence: Country: France Citizenship: France & Luxembourg P. O. Address: Same as Residence Employed By: Dow Deutschland, Inc. Of Country: Germany At:	Signature:	(//u.			
F-67500 Haguenau Country: France Country: France & Luxembourg Country: Citizenship: France & Luxembourg P. O. Address: Same as Residence Employed By: Dow Deutschland, Inc. P. O. Address: Same as Residence Of Country: Germany Of Country: At:			Full Name:		
Country: France Citizenship: France & Luxembourg P. O. Address: Same as Residence Employed By: Dow Deutschland, Inc. Of Country: Germany At:	Residence: 11, rue J. Jenner		Residence:		
Citizenship: France & Luxembourg P. O. Address: Same as Residence Employed By: Dow Deutschland, Inc. Of Country: Germany At:		F-67500 Haguenau			
P. O. Address: Same as Residence Employed By: Dow Deutschland, Inc. Of Country: Germany At:	Country: France		Country:		
Employed By: Dow Deutschland, Inc. Employed By: Of Country: Of Country: Germany Of Country: Of Country: At:	Citizenship: France & Luxembourg		Citizenship:		
Of Country: Germany Of Country: At:	P. O. Address: Same as Residence		P. O. Address: Same as Residence		
Of Country: Germany Of Country: At:	Employed By: Dow Deutschland, Inc.		Employed By:		
this day of 20 this day of Signature: Signature: Signature: Full Name: Full Name: Full Name:			Of Country:		
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	Residence:		Residence:		

Country: Citizenship:

P. O. Address:

Employed By:

Of Country:

Same as Residence

Country: Citizenship: P. O. Address: Same as Residence Employed By: Of Country: This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date

This 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. 44635

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA) SS STATE OF MICHIGAN)) County/Parish of Midland

On this 15^{10} day of _____ June, 2000, personally appeared before me,

Albert Charles Marie Achen

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, 2005

PATENT REEL: 13005 FRAME: 0793

DOW CASE NO. 44635 kal

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 DEUTSCHLAND INC. Zweigniederlassung, Stade Buetzflethersand, P.O. Box 1120 21677 Stade GERMANY

hereby accept the ASSIGNMENT attached hereto which is dated: June 1, 2000

From, the ASSIGNOR: Albert Charles Marie Achen, 11, rue J. Jenner, F-67500 Haguenau, France

of the invention entitled:

TOUGHENED BENZOCYCLOBUTENE BASED POLYMERS AND THEIR USE IN BUILDING-UP PRINTED WIRING BOARDS

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, U.S.A.	
this 18	_day ofseptember	, 2000

DOW DEUTSCHLAND INC.

CORP. SEAL

Assistant General Counsel, Intellectual Property, THE DOW CHEMICAL COMPANY, authorized to act for and on behalf of DOW DEUTSCHLAND INC.

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA) STATE OF Michigan) County/Parish of Midland)

)))

On this <u>18</u>th day of <u>September</u>, 20<u>60</u>, personally appeared before me, GRAHAM E. TAYLOR, Assistant General Counsel, Intellectual Property, THE DOW CHEMICAL COMPANY, authorized to act for and on behalf of DOW DEUTSCHLAND INC.,

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 and organized and existing under the laws of Germany.

I further certify that said authority, dated September 28, 1999, is based on

a Power of Attorney

SEAL

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.

Notary Public

Karen A. LaCroix NOTARY PUBLIC, MIDLAND COUNTY, NICHIGAN MY COMMISSION EXPIRES FEBRUARY 10, 2005

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, Michigan 48674, USA						
this <u>14th</u> day of	Μαγ	20 <u>02</u>				
	Crystal S. Hona Office Professio THE DOW CHEMICAL	onal				
NOTARIAL CERTIFICATE						
UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland) SS)					
On this <u>14th</u> day of appeared before me,	May	20 <u>02</u> , personally				

Crystal S. Honaman

known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

હ **ેંકે€**AL

araly Notary Public

Carolyn A. Gray Notary Public, Midland County, Michigan My Commission Expires April 20, 2005

PATENT REEL: 13005 FRAME: 0795

RECORDED: 06/05/2002