

05-12-1998



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Patent and Trademark Office

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Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Mark D. Newsham Michael N. Mang Robert J. Gulotty, Jr. Dennis W. Smith, Jr.</p>	<p>2. Name and address of receiving party(ies): THE DOW CHEMICAL COMPANY 2030 Dow Center, Abbott Road Midland, Michigan 48640 United States of America</p>
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Additional name(s) of conveying party(ies) is attached.  Additional name(s) & address(es) are attached.

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date(s) November 6, 1995 and November 3, 1995

4. Application Number(s) or Patent Number(s): 08/553,165 Filed November 7, 1995

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.

05/08/1998 DCOATES 00000191 041512 08553165  
01 FC:581 40.00 CH

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Stephen S. Grace The Dow Chemical Company Patent Department P. O. Box 1967 Midland, Michigan 48641-1967 United States of America</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) <u>\$40.00</u>  <input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Please deduct the above fee from our Deposit Account</p> <p>8. <b>Deposit Account 04-1512.</b> If this estimate is incorrect, please debit or credit our account accordingly.</p>
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DO NOT USE 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: April 20, 1998

*Deborah Crosby DuLude*  
Deborah Crosby DuLude  
Administrative Patent Assistant  
(517) 636-0630

42,646

Total number of pages including attachments: 4



FORM 110

Docket Ref. C-42,646

# 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:

## CROSSLINKABLE THERMOPLASTIC AND CROSSLINKED THERMOSET NONLINEAR OPTICAL POLYMERIC COMPOSITIONS DERIVED FROM AROMATIC DIHYDROXY COMPOUNDS

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, Abbott Road,  
Midland, Michigan 48640  
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. 08/553,165 Filing Date November 7, 1995  
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 equivalent

Application No. \_\_\_\_\_ Filing Date \_\_\_\_\_  
in country \_\_\_\_\_

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:

At **Midland, Michigan 48640, U.S.A.**

this 6 day of November 19 95

Signature Mark D. Newsham  
Full Name: **Mark D. Newsham**  
Residence: **708 Heathermoor Drive**  
**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**

At **Midland, Michigan 48640, U.S.A.**

this 10th day of November 19 95

Signature Michael N. Mang  
Full Name: **Michael N. Mang**  
Residence: **3708 Haskin Drive**  
**Midland, Michigan 48640**  
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**

At **Midland, Michigan 48640, U.S.A.**

this 6 day of November 19 95

Signature Robert J. Gulotty, Jr.  
Full Name: **Robert J. Gulotty, Jr.**  
Residence: **1974 East Stewart Road**  
**Midland, Michigan 48640**  
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**

At **Freeport, Texas 77541, U.S.A.**

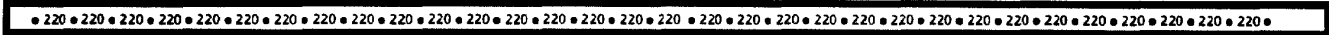
this 7 day of November 19 95

Signature Dennis W. Smith, Jr.  
Full Name: **Dennis W. Smith, Jr.**  
Residence: **510 That Way #707**  
**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**

PATENT

REEL: 9154 FRAME: 0026

This Notarial Certificate 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number.



This Notarial Certificate 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number.

FORM 220

# NOTARIAL CERTIFICATE (Individual)

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

On this *6<sup>th</sup>* day of *November* 1995 , personally appeared before me, Mark D. Newsham, Michael N. Mang, and Robert J. Gulotty, Jr.

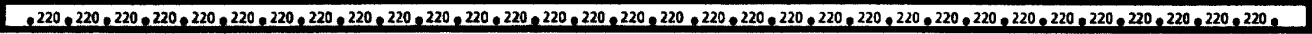
known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

*Janice A. Crozier*  
 \_\_\_\_\_  
 Notary Public

JANICE A. CROZIER  
 Notary Public, Midland County, Michigan  
 My Commission Expires March 16, 1998

This Notarial Certificate 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number.



This Notarial Certificate 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number.

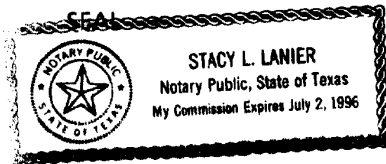
FORM 220

# NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA )  
STATE OF TEXAS ) SS  
County/Parish of Brazoria )

On this 3<sup>rd</sup> day of November 1995, personally appeared before me, Dennis W. Smith, Jr.

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.



*Stacy L. Lanier*  
\_\_\_\_\_  
Notary Public