

RECORDATION FORM COVER SHEET
PATENTS ONLY

DN:A01444

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

1. Name of conveying party(ies)/Execution Date(s):

Casmir S. Ilenda, Michael Louis Spera, Andrew T. Daly, Robert H. Gore, Wayne Devonport, Eric G. Lundquist, Paul Francis Reeve, James R. Lesniak, Ethan S. Simon,
Legal Successor for Warren H. Machleder

Execution Date(s)

Casmir S. Ilenda - 04/14/2003
Michael Louis Spera - 04/14/2003
Andrew T. Daly - 04/14/2003
Robert H. Gore - 04/17/2003
Wayne Devonport - 04/15/2003
Eric G. Lundquist - 04/24/2003
Paul Francis Reeve - 04/16/2003
James R. Lesniak - 04/14/2003
Ethan S. Simon - 04/11/2003

Legal Successor for Warren H. Machleder - 04/29/2003

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No ☐

2. Name and address of receiving party(ies):

Name: ROHM AND HAAS COMPANY

Internal Address: Patent Department

Street Address: 100 Independence Mall West

City: Philadelphia State: PA Zip: 19106-2399

Country: U.S.A.

Additional name(s) and address(es) attached? ☐ Yes ☐ No ☐

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s) 10/461,971 filed 06/13/2003

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: KARL E. STAUSS

Internal Address: ROHM AND HAAS COMPANY

Patent Department, 7th Floor

Street Address: 100 Independence Mall West

City: Philadelphia State: PA Zip: 19106-2399

Phone Number: (215) 592-3436

Fax Number: 215-592-2682

Email Address:

6. Total number of applications and patents involved: ☐ 1

7. Total fee (37 CFR 1.21(h) & 3.41): \$40.00

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit account number: _____ 18-1850

Authorized User Name _____

(Attach duplicate copy of this page if paying by deposit account)

9. Signature: Karl Stauss

KARL E. STAUSS

JAN. 9, 2007
Date

Registration No. 40,827

Total number of pages including cover sheet, attachments and document:

14

ASSIGNMENT

WHEREAS, (hereafter "Assignor(s)"), Casmir S. Ilenda, 36 Sima Road, Holland, PA 18966; Michael Louis Spera, 433 Kurtz Mill Rd., Mohnton, PA 19540; Andrew T. Daly, 2505 Goddard Ave., Sinking Spring, PA 19608; Robert H. Gore, 1388 Cushmore Rd., Southampton, PA 18966; Warren H. Machleder, 1098 Boxwood Lane, Blue Bell, PA 19422; Wayne Devonport, 80 Brinker Drive, Doylestown, PA 18901; Eric G. Lundquist, 107 Churchill Circle, North Wales, PA 19454; Paul F. Reeve, Les Cycas, 9 Avenue Frederic Mistral, Grasse, France; James R. Lesniak, 3322 W. 78th Ave., Merrillville, IN 46410; Ethan S. Simon, 1827 Hemlock Circle, Abington, PA 19001 invented certain new and useful improvements in Damage Resistant Coatings, Films and Articles of Manufacture Crosslinked Nanoparticles, (hereafter "INVENTION") for which on the date below Assignor executed an application for Letters Patent of the United States of America;

WHEREAS at the time the INVENTION was made, Assignor was under an obligation to assign all right, title and interest in Assignor's INVENTION to ROHM AND HAAS COMPANY, a Delaware corporation having its principal place of business at 100 Independence Mall West, Philadelphia, Pennsylvania, 19106-2399, which wants to formalize the assignment and its ownership of the entire interest in the INVENTION and in any and all applications for patent thereon and in any and all Letters Patent which may be granted thereon;

NOW, THEREFORE, for valuable consideration received by Assignor, receipt and sufficiency of which is hereby acknowledged, Assignor has assigned and by this Assignment does assign to ROHM AND HAAS COMPANY, for the United States of America and for all foreign countries, the entire right, title, and interest in and to the INVENTION including the right to apply for patents, and to claim International Convention priority, in all such foreign countries; Assignor further agrees without further consideration to testify in any proceedings, to execute all papers, execute all divisional, continuing, reissue and foreign applications, and make all rightful oaths and declaration relating to the INVENTION, requested by the ROHM AND HAAS COMPANY; and Assignor does hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding official in any foreign country to issue any Letters Patent which may be granted in the United States or foreign country, respectively, to ROHM AND HAAS COMPANY for its sole use and benefit and for its successors and assigns, to the full end of the term for which said Letters Patent may be granted.

Assignor authorizes and requests insertion herein of the Serial Number 10/461,971 and filing date 06/13/2003 of said application when officially known.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

April 14, 2003
Date

Casmir S. Ilenda (SEAL)
Casmir S. Ilenda

STATE OF Pennsylvania :
COUNTY OF Montgomery : SS.

Casmir S. Ilenda personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 14 day of April, 2003.

[SEAL]

Notarial Seal
Kathryn O'Connor, Notary Public
Lower Gwynedd Twp., Montgomery County
My Commission Expires Dec. 12, 2005
Member, Pennsylvania Association of Notaries

Kathryn O'Connor
Notary Public

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

4-14-2003

Date

Michael Louis Spera (SEAL)

Michael Louis Spera

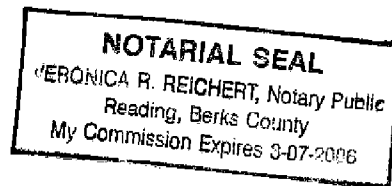
STATE OF Pennsylvania :
COUNTY OF Berks : SS.

Michael Louis Spera personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 14 day of April, 2003.

[SEAL]

Veronica R. Reichert

Notary Public



PATENT

REEL: 018756 FRAME: 0925

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

April 14, 2003
Date

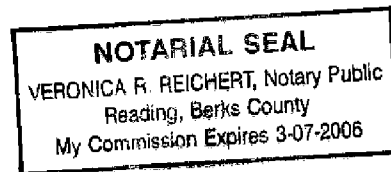
Andrew T. Daley (SEAL)
Andrew T. Daley

STATE OF Pennsylvania :
COUNTY OF Bucks : SS.

Andrew T. Daley personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 14 day of April, 2003.

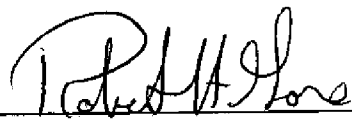
[SEAL]

Veronica R. Reichert
Notary Public



IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

4/17/03
Date

 (SEAL)
Robert H. Gore

STATE OF Pennsylvania :
COUNTY OF Bucks : SS.

Robert H. Gore personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 17 day of April, 2003.

[SEAL]


Notary Public

Notarial Seal
Marc J. Richman, Notary Public
Jenkintown Boro, Montgomery County
My Commission Expires July 28, 2003

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

4/15/03

Date

Wayne Devonport

(SEAL)

Wayne Devonport

STATE OF Pennsylvania :
COUNTY OF Montgomery : SS.

Wayne Devonport personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 15 day of April, 2003.

[SEAL]

Kathryn O'Connor

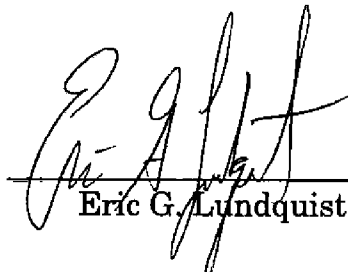
Notary Public

Notarial Seal
Kathryn O'Connor, Notary Public
Lower Gwynedd Twp., Montgomery County
My Commission Expires Dec. 12, 2005

Member, Pennsylvania Association of Notaries

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

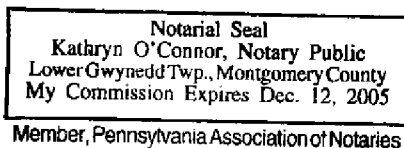
4/24/03
Date

 (SEAL)
Eric G. Lundquist

STATE OF Pennsylvania :
COUNTY OF Montgomery : SS.

Eric G. Lundquist personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 24 day of April, 2003.

[SEAL]

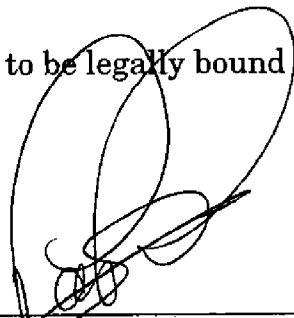



Notary Public

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

16 Avril 2003.

Date



Paul Francis Reeve

(SEAL)

STATE OF Alpes Maritimes:

COUNTY OF France : SS.

Paul Francis Reeve personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 16 day of Avril, 2003.

[SEAL]

Notary Public

Je soussigné Stéphane VOILLON
Notaire associé à ANTIBES
5, Avenue Gambetta, certifie
la matérialité de la signature de
M. Paul Francis Reeve
apposée ci-dessus.



IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

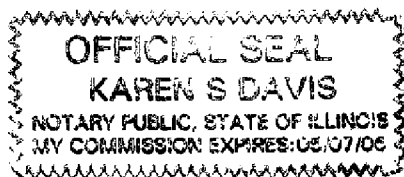
April 14, 2003
Date

James Robert Lesniak (SEAL)
James R. Lesniak

STATE OF Illinois :
COUNTY OF Cook : SS.

James R. Lesniak personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 14th day of April, 2003.

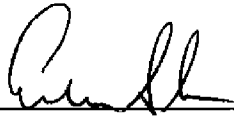
[SEAL]



Karen S. Davis
Notary Public

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

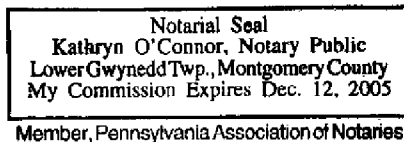
11 April 2003
Date

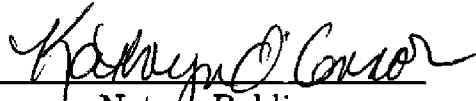
 (SEAL)
Ethan S. Simon

STATE OF Pennsylvania :
COUNTY OF Montgomery : SS.

Ethan S. Simon personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 11 day of April, 2003.

[SEAL]




Notary Public

and all patents which may be granted hereon, to the ROHM AND HAAS COMPANY.

We hereby grant the power to complete the serial number, filing date, group number, examiner and all other identification used to identify the application listed above in all countries of the world where necessary.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that any willful false statements may jeopardize the validity of the application or any patent issued thereon.

In TESTIMONY WHEREOF, Assignors intending to be legally bound have hereunto affixed their signatures.

Full name of the legal representative Jenifer Lyn Machleder

Legal representative's signature

Residence

Citizenship

Jenifer Lyn Machleder
1160 Chopin Terrace, Apt. 101
Fremont, CA 94538
United States of America

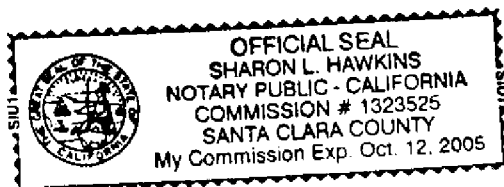
Notary:

STATE OF CALIFORNIA :

County of Santa Clara :

Jenifer Lyn Machleder personally appeared before me and acknowledged to me that the execution of the foregoing is an act of free will and deed of this 29 day of April, 2003.

[SEAL]



Sharon L. Hawkins
Notary Public



ROHM AND HAAS COMPANY
FACSIMILE TRANSMITTAL SHEET

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. A01444

In re: **Casmir S. Ilenda** : Group Art Unit: 1714
Application Serial No. **10/461,971** : Examiner: **Peter A. Szekely**
Date Filed: **06/13/2003** : Confirmation No. **6874**
For: **DAMAGE RESISTANT COATINGS, FILMS AND** :
ARTICLES OF MANUFACTURE CONTAINING :
CROSSLINKED NANOPARTICLES :

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. 1.8
ASSIGNMENT DIVISION

I hereby certify that this executed Assignment and recordation sheet for the above-referenced patent application is being facsimile transmitted to the United States Patent and Trademark Office to the automated patent and trademark assignment system at (571) 273-0140 on 01/09/2007,

Please charge Deposit Account No. **18-1850**, \$40.00 for recordation of the attached Assignment.


Signature

Yvette Viglianese
Printed Name of Person Signing Certificate

Sender's Facsimile No. 215-592-2682

Sender's Phone No. 215-592-2954

Number of pages of this facsimile transmission including fax cover sheet 16.

THE INFORMATION CONTAINED IN THIS FACSIMILE TRANSMISSION IS INTENDED ONLY FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED RECIPIENT NAMED ABOVE. This transmittal may be a confidential attorney-client communication or may otherwise be privileged or confidential. If you have received this transmittal in error, any review, dissemination, distribution, or copying of this transmittal or the information which it contains is strictly prohibited. If you have received this transmittal in error, please notify us immediately by telephone and return the original transmittal to us by mail. Thank you.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

- **In re application of:**
Casmir S. Ilenda, Michael Louis Spera, Andrew T. Daly,
Robert H. Gore, , Wayne Devonport, Eric G. Lundquist,
Paul Francis Reeve, James Lesniak, Ethan Simon,
Warren H. Machleder

Serial No. 60/414,597 Group No.
Filed: 9/30/02 Examiner:
For: Damage Resistant Coatings, Films and Articles
of Manufacture Containing Crosslinked Nanoparticles

**DECLARATION AND ASSIGNMENT
BY LEGAL SUCCESSOR**

We, Jenifer Lyn Machleder, and Eric Michael Machleder (hereafter, Assignors) are the legal successors of inventor, Warren H. Machleder. As his daughter and son, we are his legal successors and have the legal authority to execute these papers.

We, Assignors, hereby state that we believe Warren H. Machleder, to be an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled DAMAGE RESISTANT COATINGS, FILMS, AND ARTICLES OF MANUFACTURE CONTAINING CROSSLINKED NANOPARTICLES (hereafter, invention). The above-identified application was first filed in the United States of America on September 30, 2002 and granted a U.S. Serial Number of 60/414,597. Warren H. Machleder was named as a joint inventor along with the persons identified above. We, Jenifer Lyn Machleder, and Eric Michael Machleder, by executing this paper state our belief that Warren H. Machleder is an inventor of the invention.

Warren H. Machleder, as an employee of the Rohm and Haas Company, 100 Independence Mall West, Philadelphia, PA 19106, was under an obligation to assign all of his rights, title and interest in the Invention to the ROHM AND HAAS COMPANY. Now for valuable consideration received by Assignor, receipt and sufficiency hereby acknowledge, we execute this paper. By executing this paper, we hereby assign Warren H. Machleder's entire interest in the Invention, all applications for patent hereon and in any

and all patents which may be granted hereon, to the ROHM AND HAAS COMPANY.

We hereby grant the power to complete the serial number, filing date, group number, examiner and all other identification used to identify the application listed above in all countries of the world where necessary.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that any willful false statements may jeopardize the validity of the application or any patent issued thereon.

In TESTIMONY WHEREOF, Assignors intending to be legally bound have hereunto affixed their signatures.

Full name of the legal representative Eric Michael Machleder

Legal representative's signature

Eric M Machleder

Residence

1600 Filbert St., Apt. 22

San Francisco, CA 94123

Citizenship

United States of America

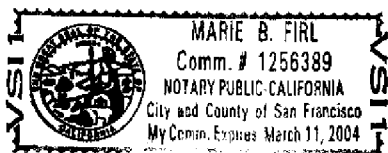
Notary: *Marie B Firl*

STATE OF CALIFORNIA :

County of San Francisco :

Eric Michael Machleder personally appeared before me and acknowledged to me that the execution of the foregoing is an act of free will and deed of this 20th day of April, 2003.

[SEAL]



Marie B Firl
Notary Public

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

● **In re application of :**

Casmir S. Ilenda, Michael Louis Spera, Andrew T. Daly,
Robert H. Gore, , Wayne Devonport, Eric G. Lundquist,
Paul Francis Reeve, James Lesniak, Ethan Simon,
Warren H. Machleder

Serial No. 60/414,597

Group No.

Filed: 9/30/02

Examiner:

For: Damage Resistant Coatings, Films and Articles
of Manufacture Containing Crosslinked Nanoparticles

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We, Jenifer Lyn Machleder, and Eric Michael Machleder (hereafter, Assignors) are the legal successors of inventor, Warren H. Machleder. As his daughter and son, we are his legal successors and have the legal authority to execute these papers.

We, Assignors, hereby state that we believe Warren H. Machleder, to be an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **DAMAGE RESISTANT COATINGS, FILMS, AND ARTICLES OF MANUFACTURE CONTAINING CROSSLINKED NANOPARTICLES** (hereafter, invention). The above-identified application was first filed in the United States of America on September 30, 2002 and granted a U.S. Serial Number of 60/414,597. Warren H. Machleder was named as a joint inventor along with the persons identified above. We, Jenifer Lyn Machleder, and Eric Michael Machleder, by executing this paper state our belief that Warren H. Machleder is an inventor of the invention.

Warren H. Machleder, as an employee of the Rohm and Haas Company, 100 Independence Mall West, Philadelphia, PA 19106, was under an obligation to assign all of his rights, title and interest in the Invention to the **ROHM AND HAAS COMPANY**. Now for valuable consideration received by Assignor, receipt and sufficiency hereby acknowledge, we execute this paper. By executing this paper, we hereby assign Warren H. Machleder's entire interest in the Invention, all applications for patent hereon and in any