

11-29-2006

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Form PTO-1595 (Rev. 08/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

### RECORDATION FO PATENT



103347070

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

11-24-06

#### 1. Name of conveying party(ies):

Dana A. GRONBECK (11/20/06) Amy M. KWOK (11/20/06)  
Chi Q. TRUONG (11/20/06) Michael K. GALLAGHER (11/20/06)  
Michael K. GALLAGHER (11/20/06)

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

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

Name: Rohm and Haas Electronic Materials LLC

Internal Address: Patent Department

Street Address:

455 Forest Street

City: Marlborough

State: Massachusetts

Country: USA Zip: 01752

Additional name(s) & address(es) attached?  Yes  No

#### 3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

Assignment  Merger  Change of Name

Security Agreement  Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other \_\_\_\_\_

#### 4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

This application 11/512,140 08/29/2006

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Peter F. Corless  
ROHM AND HAAS ELECTRONIC  
MATERIALS LLC

Internal Address: Atty. Dkt.: 52481

Street Address: 455 Forest Street

City: Marlborough

State: MA Zip: 01752

Phone Number: (617) 439-4444

Fax Number: (508) 787-4730

Email Address: pcorless@rohmmaas.com

#### 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 11512140  
Expiration Date 11/28/2006

b. Deposit Account Number 18-1850  
Authorized User Name S. Matthew Cairns

#### 9. Signature:

S. Matthew Cairns  
Signature

Date

S. Matthew Cairns (Reg. No. 42,378)

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as First Class Mail on the date shown below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22314-4500

Dated: 11/21/2006

Signature: Deanna M. Rivner (Deanna M. Rivner)

PATENT

REEL: 018639 FRAME: 0620

11/28/2006 181550 11512140 40.00 DA

Attorney Docket No. 52481

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**ASSIGNMENT**

WHEREAS, I, Dana A. GRONBECK of Westfield, Massachusetts, I, Amy M. KWOK of Sturbridge, Massachusetts, I, Chi Q. TRUONG of Westborough, Massachusetts, I, Michael K. GALLAGHER of Hopkinton, Massachusetts and I, Anthony ZAMPINI of Westborough, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "ANTIREFLECTIVE HARD MASK COMPOSITIONS", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on 08/29/2006 and assigned United States Patent Application Serial No. 11/512,140, which application corresponds to and claims priority of United States Provisional Application Serial No. 60/712,305, filed August 29, 2005; and

WHEREAS, Rohm and Haas Electronic Materials LLC, located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

PATENT

REEL: 018639 FRAME: 0621

Attorney Docket No. 52481

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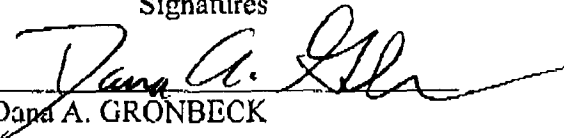
The Assignors also hereby grant the Patent Law Department of Rohm and Haas Electronic Materials I.J.C the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Effective from the date of: August 29, 2005.

Signatures

Date

- |    |   |          |
|----|---|----------|
| 1. |  | 11/20/06 |
|    | Dana A. GRONBECK  |          |
| 2. |   |          |
|    | Amy M. KWOK   |          |
| 3. |   |          |
|    | Chi Q. TRUONG   |          |
| 4. |   |          |
|    | Michael K. GALLAGHER  |          |
| 5. |   |          |
|    | Anthony ZAMPINI   |          |

**ASSIGNMENT**

WHEREAS, I, Dana A. GRONBECK of Westfield, Massachusetts, I, Amy M. KWOK of Sturbridge, Massachusetts, I, Chi Q. TRUONG of Westborough, Massachusetts, I, Michael K. GALLAGHER of Hopkinton, Massachusetts and I, Anthony ZAMPINI of Westborough, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "ANTIREFLECTIVE HARD MASK COMPOSITIONS", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on 08/29/2006 and assigned United States Patent Application Serial No. 11/512,140, which application corresponds to and claims priority of United States Provisional Application Serial No. 60/712,305, filed August 29, 2005; and

WHEREAS, Rohm and Haas Electronic Materials LLC, located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.


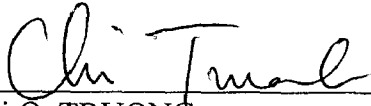


The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

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The Assignors also hereby grant the Patent Law Department of Rohm and Haas Electronic Materials LLC the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Effective from the date of: August 29, 2005.

Signatures	Date
1. _____ Dana A. GRONBECK	_____
2.  Amy M. KWOK	<u>Nov. 20, 2006</u>
3.  Chi Q. TRUONG	<u>11/20/2006</u>
4.  Michael K. GALLAGHER	<u>11-20-06</u>
5.  Anthony ZAMPINI	<u>11-20-06</u>