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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):

Carl E. GAEBE (10/05/2006)
Noel A. HEIKS (10/10/2006)
David W. SHERRER (10/06/2006)

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

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Jonathan D. Baskin
ROHM AND HAAS ELECTRONIC
MATERIALS LLC

Internal Address: Atty. Dkt.: 52476

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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 Jonathan D. Baskin

9. Signature:

Signature
Jonathan D. Baskin (Reg. No. 39,499)
Name of Person Signing

10/11/06
Date

Total number of pages including cover sheet, attachments, and documents: 40.00

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 Express Mail, Label No. EQ008444889US, on the date shown below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 10/11/2006

Signature: (Deanna M. Rivemider)

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PATENT

REEL: 018414 FRAME: 0642

Attorney Docket No. 52476

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ASSIGNMENT

WHEREAS, I, Carl E. GAEBE of Blacksburg, Virginia, I, Noel A. HEIKS of Radford, Virginia and I, David W. SHERRER of Radford, Virginia, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "MICRO-OPTICAL DEVICE", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on _____ and assigned United States Patent Application Serial No. _____, which application corresponds to and claims priority of United States Provisional Application Serial No. 60/725,196, filed October 11, 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.

Attorney Docket No. 52476

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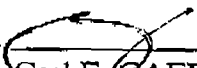
The Assignors also hereby grant the Patent Law Department of Rohm and Haas Electronic Materials LLC the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of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

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

Effective from the date of: October 11, 2005

Signatures

Date

1.  _____ 10-5-06

Carl E. GAEBE

2.  _____ 10-10-06

Noel A. HEIKS

3.  _____ 10-6-06

David W. SHERRER