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U.S. DEPARTMENT OF COMMERCE
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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):

Deyan WANG
Cheng-Bai XU

Additional name(s) of conveying party(ies) 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

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

4. Application or patent number(s):

A. Patent Application No.(s)

This application

11/542,563

10/03/2006

Additional numbers attached?

☐ This document is being filed together with a new application.

B. Patent No.(s)

☐ Yes ☒ No

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

Name: S. Matthew Cairns
ROHM AND HAAS ELECTRONIC
MATERIALS LLC

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Email Address: mcairns@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 11542563
Expiration Date 12/28/2006
b. Deposit Account Number 18-1850
Authorized User Name Jonathan D. Baskin

9. Signature:

Signature

12/22/2006

Date

Jonathan D. Baskin (Reg. No. 39,499)

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

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 22313-1450

Dated: 12/22/2006

Signature:

(Deanna M. Rivnerider)

PATENT

REEL: 018734 FRAME: 0684

ASSIGNMENT

WHEREAS, I, Deyan WANG of Hudson, Massachusetts and I, Cheng-Bai XU of Southborough, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "COMPOSITIONS AND PROCESSES FOR PHOTOLITHOGRAPHY", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on October 3, 2005 and assigned United States Patent Application Serial No. 11/542,563, which application corresponds to and claims priority of United States Provisional Application Serial No. 60/723,368, filed October 3, 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.

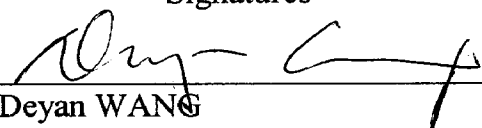
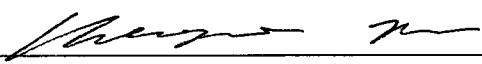
The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right 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.

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 3, 2005.

	Signatures	Date
1.	 Deyan WANG	<u>10/9/06</u>
2.	 Cheng-Bai XU	<u>10/2/2006</u>