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**1. Name of conveying party(ies)**Katsutoshi KURAMOTO  
Masakazu KOBAYASHI  
Yasushi AKIYAMAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) January 23, 2009 and January 20, 2009

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**Name: AZ ELECTRONIC MATERIALS USA CORP.

Internal Address: \_\_\_\_\_

Street Address: 70 MEISTER AVENUECity: SOMERVILLEState: NJCountry: USAZip: 08876Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.  
A. Patent Application No.(s)  
B. Patent No.(s)

12/448,517

Filed June 23, 2009

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: SANGYA JAINInternal Address: AZ ELECTRONIC MATERIALS USA CORP.Street Address: 70 MEISTER AVENUECity: SOMERVILLEState: NJZip: 08876Phone Number: (908) 429-3536Fax Number: (908) 429-3650Email Address: Sangya.Jain@AZ-EM.com**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$40.**

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**Deposit Account Number 50-3309

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

September 15, 2011

Date

Sangya Jain  
Name of Person SigningTotal number of pages including cover  
sheet, attachments, and documents:

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450**PATENT****REEL: 026916 FRAME: 0210**

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Docket No. 2006JP323 PCT US

## ASSIGNMENT

WHEREAS, UNDERSIGNED Katsutoshi KURAMOTO, citizen of Japan, residing at #301,1-4-5, Motogo, Kawaguchi-shi, Saitama 332-0011, JAPAN, Masakazu KOBAYASHI, citizen of Japan, residing at c/o AZ Electronic Materials (Japan) K.K., 3330, Chihama, Kakegawa-shi, Shizuoka 437-1412 JAPAN and Yasushi AKIYAMA, citizen of Japan, residing at c/o AZ Electronic Materials (Japan) K.K., 3330, Chihama, Kakegawa-shi, Shizuoka 437-1412 JAPAN, respectively, have invented certain new and useful improvements (INVENTION) disclosed, shown, and described in an APPLICATION for Letters Patent of the United States entitled Composition for formation of antireflection film and pattern formation method using the same

Docket No. 2006JP323PCT US, and

WHEREAS, AZ Electronic Materials USA Corp., a corporation organized under the laws of the State of Delaware, 70 Meister Avenue, Somerville, New Jersey 08876 USA (ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the INVENTION, in the United States or the states of the European Patent Convention with effect for all designated contracting and extension states, and in and to any Letters Patent of the United States or the states of the European Patent Convention with effect for all designated contracting and extension states which may be granted embracing the INVENTION.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, UNDERSIGNED by these presents, sells, assigns, and transfers unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest for the United States and for the states of the European Patent Convention with effect for all designated contracting and extension states, in and to the INVENTION, and in and to the said APPLICATION, and in and to any applications for Letters Patent which have been or may be filed in any states of the European Patent Convention with effect for all designated contracting and extension states on said INVENTION, and in and to any and all priority rights generated by the filing of said APPLICATION in the United States or any states of the European Patent Convention with effect for all designated contracting and extension states, which may be granted covering the INVENTION, including any continuations, substitutions, divisions, reissues, or renewals thereof, said Letters Patent whether of this country or any states of the European Patent Convention with effect for all designated contracting and extension states to be held and enjoyed by ASSIGNEE for its interest, for its own use and behoof, and for its legal representatives, successors, and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by UNDERSIGNED had this assignment and sale not been made. The UNDERSIGNED hereby authorize and request our/my attorney(ies)/agent(s) associated with Customer No. 26289, of 70 Meister Avenue, Somerville, New Jersey 08876, to insert here in parentheses the application serial number and filing date of said application when known (Serial No. 12/448,517, filed June 23, 2009 ).

IN WITNESS WHEREOF this assignment has been executed by UNDERSIGNED on the date opposite his name.

Docket No. 2006JP323 PCT US

DATE January 23, 2009Katsutoshi Kuramoto  
Katsutoshi KURAMOTODATE January 20, 2009Masakazu Kobayashi  
Masakazu KOBAYASHIDATE January 20, 2009Yasushi Akiyama  
Yasushi AKIYAMA