

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KAZUMA YAMAMOTO	03/02/2015
MASAHIRO ISHII	03/02/2015
TAKASHI SEKITO	03/02/2015
HIROSHI YANAGITA	03/02/2015
SHIGEMASA NAKASUGI	03/02/2015
GO NOYA	03/02/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.
<b>Street Address:</b>	32-36, BOULEVARD D'AVRANCHES
<b>City:</b>	LUXEMBOURG
<b>State/Country:</b>	LUXEMBOURG
<b>Postal Code:</b>	L-1160
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14431512
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)429-3650
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	9084293536
<b>Email:</b>	Mitchell.Brustein@emdgroupp.com
<b>Correspondent Name:</b>	MITCHELL BRUSTEIN
<b>Address Line 1:</b>	EMD PERFORMANCE MATERIALS CORP.
<b>Address Line 2:</b>	70 MEISTER AVENUE
<b>Address Line 4:</b>	SOMERVILLE, NEW JERSEY 08876
<b>ATTORNEY DOCKET NUMBER:</b>	2012JP315
<b>NAME OF SUBMITTER:</b>	MITCHELL BRUSTEIN
<b>SIGNATURE:</b>	/Mitchell Brustein/
<b>DATE SIGNED:</b>	03/17/2016

**Total Attachments: 2**

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## ASSIGNMENT

WHEREAS, UNDERSIGNED, Kazuma YAMAMOTO, citizen of Japan, residing at c/o Merck Performance Materials Manufacturing G.K., 3330, Chihama, Kakegawa-shi, Shizuoka 437-1412 JAPAN, Masahiro ISHII, citizen of Japan, residing at c/o Merck Performance Materials Manufacturing G.K., 3330, Chihama, Kakegawa-shi, Shizuoka 437-1412 JAPAN, Takashi SEKITO, citizen of Japan, residing at c/o Merck Performance Materials Manufacturing G.K., 3330, Chihama, Kakegawa-shi, Shizuoka 437-1412 JAPAN, Hiroshi YANAGITA, citizen of Japan, residing at c/o Merck Performance Materials Manufacturing G.K., 3330, Chihama, Kakegawa-shi, Shizuoka 437-1412 JAPAN, Shigemasa NAKASUGI, citizen of Japan, residing at c/o Merck Performance Materials Manufacturing G.K., 3330, Chihama, Kakegawa-shi, Shizuoka 437-1412 JAPAN, Go NOYA, citizen of Japan, residing at c/o Merck Performance Materials Manufacturing G.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 forming fine resist pattern and pattern formation method using same.**

Docket No. 2012JP315PCT US, and

WHEREAS, AZ Electronic Materials (Luxembourg) S.a.r.l., a corporation organized under the laws of Luxembourg, and located at 32-36, Boulevard d'Avranches 1160 Luxembourg, Luxembourg (ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the INVENTION, in the United States and any foreign country, and in and to any Letters Patent of the United States or any foreign country 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 all foreign countries, 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 foreign country 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 foreign country, 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 foreign country 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. 14/431,512, filed March 26, 2015 ).

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

DATE 2nd March, 2015

Kazuma Yamamoto

Kazuma YAMAMOTO

DATE 2nd March, 2015

Masahiro Ishii

Masahiro ISHII

DATE 2nd March, 2015

Takashi Sekito

Takashi SEKITO

DATE 2nd March, 2015

Hiroshi Yanagita

Hiroshi YANAGITA

DATE 2nd March, 2015

shigemasa Nakasugi

Shigemasa NAKASUGI

DATE 2nd March, 2015

Go NOYA <sup>NOYA</sup> <sup>SEKITO</sup> (2)