

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>FENG LIU</td> <td>12/14/2010</td> </tr> <tr> <td>MARIA ANNA RZEZNIK</td> <td>12/14/2010</td> </tr> </tbody> </table>		Name	Execution Date	FENG LIU	12/14/2010	MARIA ANNA RZEZNIK	12/14/2010
Name	Execution Date						
FENG LIU	12/14/2010						
MARIA ANNA RZEZNIK	12/14/2010						
RECEIVING PARTY DATA							
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City:	MARLBOROUGH						
State/Country:	MASSACHUSETTS						
Postal Code:	01752						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12968219</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12968219		
Property Type	Number						
Application Number:	12968219						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	70418						
NAME OF SUBMITTER:	S. MATTHEW CAIRNS						
Signature:	/S. Matthew Cairns/						
Date:	10/11/2013						
Total Attachments: 2 source=70418_ASSIGNMENT#page1.tif source=70418_ASSIGNMENT#page2.tif							

CH \$40.00 12968219

ASSIGNMENT

WHEREAS, I, Feng LIU of Framingham, Massachusetts and I, Maria Anna RZEZNIK of Shrewsbury, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "PLATING CATALYST AND METHOD", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on December 14, 2010 and assigned United States Non-Provisional Patent Application Serial No. 12/968,219; 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.

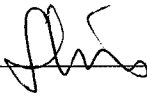
The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all 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.

Signatures

Date

1.   
Feng LIU

12/14/10

2.   
Maria Anna RZEZNIK

12/14/10