

## PATENT ASSIGNMENT

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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>John Allen Pitney</td> <td>05/14/2012</td> </tr> <tr> <td>Manabu Hamano</td> <td>06/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	John Allen Pitney	05/14/2012	Manabu Hamano	06/12/2012
Name	Execution Date						
John Allen Pitney	05/14/2012						
Manabu Hamano	06/12/2012						
RECEIVING PARTY DATA							
Name:	MEMC Electronic Materials, Inc.						
Street Address:	501 Pearl Drive						
City:	St. Peters						
State/Country:	MISSOURI						
Postal Code:	63376						
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>13443076</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13443076		
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Application Number:	13443076						
CORRESPONDENCE DATA							
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Phone:	314-621-5070						
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
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Address Line 1:	Armstrong Teasdale LLP						
Address Line 2:	7700 Forsyth Boulevard, Suite 1800						
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ATTORNEY DOCKET NUMBER:	28744-3864 (100056.1)						
NAME OF SUBMITTER:	Richard A. Schuth						
Total Attachments: 3 source=ASSIGNMENT-13068764-1#page1.tif source=ASSIGNMENT-13068764-1#page2.tif source=ASSIGNMENT-13068764-1#page3.tif							

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ASSIGNMENT

**WHEREAS, We** John Allen Pitney of St. Peters, Missouri, and Manabu Hamano of Utsunomiya-City, Tochigi Prefecture, Japan, have invented an improvement in **METHODS FOR FABRICATING A SEMICONDUCTOR WAFER PROCESSING DEVICE** and have executed an application for a United States patent based thereon filed April 10, 2012, assigned Serial No. 13/443,076;

**AND, WHEREAS,** MEMC Electronic Materials, Inc. of St. Peters, Missouri, a corporation of the State of Delaware (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

**NOW, THEREFORE,** for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

**TO BE HELD AND ENJOYED** by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

**AND We** hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

**AND We** hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed

necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I have hereunto set my hand.

5/14/12  
Date

John Allen Pitney  
John Allen Pitney

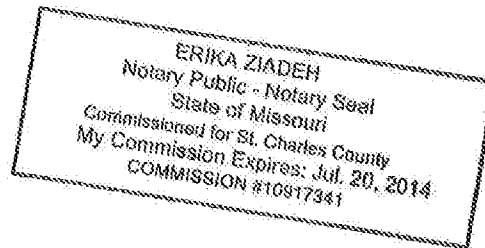
STATE OF Missouri )  
COUNTY OF St. Charles }

On this 14<sup>th</sup> day of May, 2012, before me, a Notary Public, personally appeared John Allen Pitney to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Erika Ziadeh  
Notary Public

My Commission Expires:  
July 20, 2014



IN WITNESS WHEREOF, I have hereunto set my hand.

Jun 12 / 2012  
Date

Manabu Hamano  
Manabu Hamano

[Signature]  
Witness

D. Yoshimura  
Witness