

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Jia Wei Chew</td> <td>10/30/2012</td> </tr> <tr> <td>Satish Bhusarapu</td> <td>10/30/2012</td> </tr> <tr> <td>Keith E. Weatherford</td> <td>10/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jia Wei Chew	10/30/2012	Satish Bhusarapu	10/30/2012	Keith E. Weatherford	10/30/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>MEMC Electronic Materials, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>501 Pearl Drive</td> </tr> <tr> <td>City:</td> <td>St. Peters</td> </tr> <tr> <td>State/Country:</td> <td>MISSOURI</td> </tr> <tr> <td>Postal Code:</td> <td>63376</td> </tr> </table>		Name:	MEMC Electronic Materials, Inc.	Street Address:	501 Pearl Drive	City:	St. Peters	State/Country:	MISSOURI	Postal Code:	63376
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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>13656336</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13656336						
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CORRESPONDENCE DATA											
<p>Fax Number: 3146122307</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 314-621-5070</p> <p>Email: USpatents@armstrongteasdale.com</p> <p>Correspondent Name: Richard A. Schuth (MEMC)</p> <p>Address Line 1: Armstrong Teasdale LLP</p> <p>Address Line 2: 7700 Forsyth Boulevard, Suite 1800</p> <p>Address Line 4: St. Louis, MISSOURI 63105</p>											
ATTORNEY DOCKET NUMBER:	28744-3919 (120012)										
NAME OF SUBMITTER:	Richard A. Schuth										
<p>Total Attachments: 4</p> <p>source=ExecutedAssignment-14061546#page1.tif</p> <p>source=ExecutedAssignment-14061546#page2.tif</p> <p>source=ExecutedAssignment-14061546#page3.tif</p> <p>source=ExecutedAssignment-14061546#page4.tif</p>											

CH \$40.00 13656336

ASSIGNMENT

WHEREAS, We Jia Wei Chew of Pasadena, Texas, Satish Bhusarapu of Sugarland, Texas, and Keith E. Weatherford of Pasadena, Texas, have invented an improvement in USING WAVELET DECOMPOSITION TO DETERMINE THE FLUIDIZATION QUALITY IN A FLUIDIZED BED REACTOR and have executed an application for a United States patent based thereon filed October 19, 2012, assigned Serial No. 13/656,336;

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;

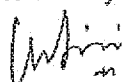
AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications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

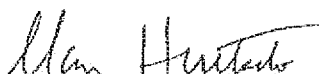
necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

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.

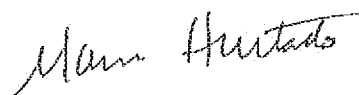
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Date

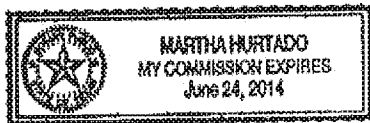

Jia Wei Chew


Witness

Witness


Subscribed & Sworn before me
this 30 day of October 2012.





IN WITNESS WHEREOF, I have hereunto set my hand.

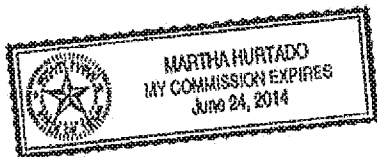
10/30/12
Date


Satish Bhusarapu


Witness

Witness

Subscribed & sworn before me
this 30 day of October 2012.
Martha Hurtado



IN WITNESS WHEREOF, I have hereunto set my hand.

10/30/2012
Date

Keith Weatherford
Keith E. Weatherford

Martha Hurtado
Witness

Witness

Subscribed & sworn before me
this 30 day of October 2012

Martha Hurtado

