

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>Umberto Martini</td> <td>01/08/2013</td> </tr> <tr> <td>Luigi Bonanno</td> <td>01/08/2013</td> </tr> <tr> <td>Paolo Collareta</td> <td>01/08/2013</td> </tr> <tr> <td>Maria Porrini</td> <td>01/08/2011</td> </tr> </tbody> </table>		Name	Execution Date	Umberto Martini	01/08/2013	Luigi Bonanno	01/08/2013	Paolo Collareta	01/08/2013	Maria Porrini	01/08/2011
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<table border="1"> <tr> <td>Name:</td> <td>MEMC ELECTRONIC MATERIALS SPA</td> </tr> <tr> <td>Street Address:</td> <td>Viale Gherzi 31</td> </tr> <tr> <td>City:</td> <td>Novara</td> </tr> <tr> <td>State/Country:</td> <td>ITALY</td> </tr> <tr> <td>Postal Code:</td> <td>28100</td> </tr> </table>		Name:	MEMC ELECTRONIC MATERIALS SPA	Street Address:	Viale Gherzi 31	City:	Novara	State/Country:	ITALY	Postal Code:	28100
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CORRESPONDENCE DATA											
<p>Fax Number: 3146122307 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 314-621-5070 Email: uspatents@armstrongteasdale.com</p> <p>Correspondent Name: Richard A. Schuth Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105</p>											
ATTORNEY DOCKET NUMBER:	28744-4065 (120010.1)										
NAME OF SUBMITTER:	Richard A. Schuth										
Signature:	/Richard A. Schuth/										

PATENT

Date:

05/21/2013

Total Attachments: 5

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ASSIGNMENT

WHEREAS, We Umberto Martini of Merano, Italy, Luigi Bonanno of Merano, Italy, Paolo Collareta of Merano, Italy, and Maria Porrini of Merano, Italy, have invented an improvement in METHOD OF LOADING A CHARGE OF POLYSILICON INTO A CRUCIBLE and have executed an application for a United States patent based thereon filed November 26, 2012, assigned Serial No. 13/685,323;

AND, WHEREAS, MEMC Electronic Materials S.p.A. of Viale Gherzi 31, 28100 Novara, Italy, an Italian corporation, (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 dependences) 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;

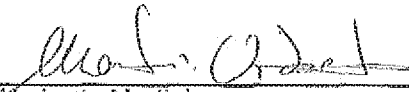
AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications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

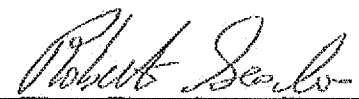
necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

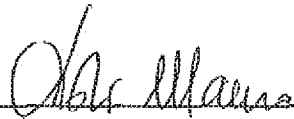
AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had 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.

08/01/2013
Date


Umberto Martini


Witness


Witness

28744-4065 (120010.1)

IN WITNESS WHEREOF, I have hereunto set my hand.

08/01/2013
Date

Luigi Bohanno
Luigi Bohanno

Robert Sculo
Witness

John Alamo
Witness

28744-4065 (120010.1)

IN WITNESS WHEREOF, I have hereunto set my hand.

8/1/2013
Date

Paolo Collareta
Paolo Collareta

Robert Serlo
Witness

John Wain
Witness

28744-4065 (120010.1)

IN WITNESS WHEREOF, I have hereunto set my hand.

July 8, 2013
Date

Maria Porrini
Maria Porrini

Robert Dahl
Witness

Mark Wams
Witness