

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3497539

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEPHAN HARINGER	04/12/2013
ARMANDO GIANNATTASIO	04/12/2013
ROBERTO SCALA	04/12/2013
LUIGI BONANNO	04/12/2013
VALENTINO MOSER	04/12/2013
RECEIVING PARTY DATA	
Name:	MEMC ELECTRONIC MATERIALS S.P.A.
Street Address:	VIALE GHERZI 31
City:	NOVARA
State/Country:	ITALY
Postal Code:	28100
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14758143
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ATTORNEY DOCKET NUMBER:	29981-323 (120049.6)
NAME OF SUBMITTER:	RICHARD A. SCHUTH
SIGNATURE:	/Richard A. Schuth/
DATE SIGNED:	08/25/2015
Total Attachments: 6	

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ASSIGNMENT**WHEREAS, We**

	Stephan HARINGER	of	Merano, Italy
Armando	Armando GIANNATTASIO	of	Merano, Italy <i>★ 12/04/2013</i>
	Roberto SCALA	of	Merano, Italy
	Luigi BONANNO	of	Merano, Italy
	Valentino MOSER	of	Merano, Italy

have invented an improvement in LIQUID DOPING SYSTEMS AND METHODS FOR CONTROLLED DOPING OF SINGLE CRYSTAL SEMICONDUCTOR MATERIAL described in Italian Patent Application No. TO2012A001175, filed in the Italian Patent Office on 31 December 2012 (hereinafter referred to as "IT Application");

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 to said invention, including any patents and applications in the United States and any and all countries including any provisional, non-provisional, divisional, continuing, reexamination or reissue applications based in whole or in part on said IT Application, or in whole or in part on said invention, or in any country applications based in whole or in part on any of the aforesaid applications or in whole or in part on any 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, and all rights of priority resulting from the filing of said IT Application;

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 any official in any country whose duty it is to issue patents, to issue any and all patents which may be granted on said applications or any of them, or upon said invention and improvements 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.

Stephan Haringer
Stephan HARINGER

12/04/2013
Date

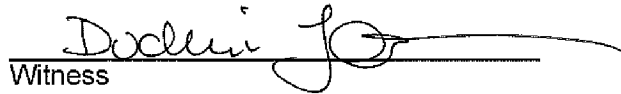
Dickie Lee
Witness

Marie Porro
Witness

IN WITNESS WHEREOF, I have hereunto set my hand.


Armando GIANNATTASIO

12/04/2013
Date


Witness

Mario Porciani
Witness

IN WITNESS WHEREOF, I have hereunto set my hand.

Roberto Scala
Roberto SCALA

Apr. 12th, 2013
Date

Duckin' Joe
Witness

Mario Porciani
Witness

IN WITNESS WHEREOF, I have hereunto set my hand.


Luij Bonanno
Luij BONANNO

12/04/2013
Date

Didier J.
Witness

Maxie Porcari
Witness

IN WITNESS WHEREOF, I have hereunto set my hand.

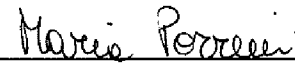


Valentino MOSER

12/04/2013
Date



Witness



Witness