

## 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>David Marquardt</td> <td>07/31/2012</td> </tr> <tr> <td>John Shugrue</td> <td>07/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	David Marquardt	07/31/2012	John Shugrue	07/31/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>ASM IP Holding B.V.</td> </tr> <tr> <td>Street Address:</td> <td>Versterkerstraat 8</td> </tr> <tr> <td>City:</td> <td>Almere</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>1322 AP</td> </tr> </table>		Name:	ASM IP Holding B.V.	Street Address:	Versterkerstraat 8	City:	Almere	State/Country:	NETHERLANDS	Postal Code:	1322 AP
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CORRESPONDENCE DATA											
<p>Fax Number: 6023826070          Phone: 602-382-6000          Email: msmith@swlaw.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Snell &amp; Wilmer L.L.P. (ASM America)          Address Line 1: 400 East Van Buren Street          Address Line 2: One Arizona Center          Address Line 4: Phoenix, ARIZONA 85004-2202</p>											
ATTORNEY DOCKET NUMBER:	53358.2200										
NAME OF SUBMITTER:	David E. Rogers										
Total Attachments: 1 source=Assignment#page1.tif											

CH \$40.00 13563066

## ASSIGNMENT

**WHEREAS**, the undersigned inventor(s) (hereinafter singly and collectively referred to as "ASSIGNOR") of the addresses indicated below, have invented subject matter disclosed in the patent application entitled "APPARATUS AND METHOD FOR CALCULATING A WAFER POSITION IN A PROCESSING CHAMBER UNDER PROCESS CONDITIONS" for which an application for United States Letters Patent is being or has been filed; and

**AND WHEREAS**, ASM IP Holding B.V., (hereinafter "Assignee"), having a principal place of business at Versterkerstraat 8, 1322 AP Almere, The Netherlands, is desirous of acquiring an interest therein;

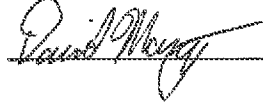
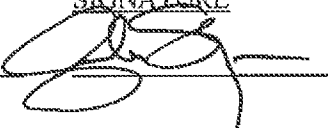
**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents do sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the invention as described in the aforesaid application, including patent, copyright and any other intellectual property rights, any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document, or any other application which claims priority to said application, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue any Letters Patent issuing from or claiming priority to said application to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives;

**AND HEREBY AGREE** to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements, derivative works, and applications based thereon, and any inventions relating to the invention;

**AGREEING, FURTHERMORE**, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE'S full protection and title in and to the invention hereby transferred;

**AGREEING, FURTHERMORE**, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of applications based on the invention or improvements therein, and for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

**EXECUTED** as of the date(s) written below by ASSIGNOR:

<u>INVENTOR'S NAME</u>	<u>ADDRESS</u>	<u>SIGNATURE</u>	<u>DATE</u>
David Marquardt	4118 N. Paradise Way Scottsdale, AZ 85251		7/31/2012
John Shugrue	14222 S. 13 <sup>th</sup> Way Phoenix, AZ 85048		7/31/2012