

## 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>Dai Ishikawa</td> <td>08/02/2012</td> </tr> <tr> <td>Kiyohiro Matsushita</td> <td>08/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dai Ishikawa	08/02/2012	Kiyohiro Matsushita	08/07/2012				
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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: 6023826337          Email: snieto@swlaw.com</p> <p><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. / Damon L. Boyd          Address Line 1: One Arizona Center          Address Line 2: 400 East Van Buren Street          Address Line 4: Phoenix, ARIZONA 85004-2202</p>											
ATTORNEY DOCKET NUMBER:	56436.4200										
NAME OF SUBMITTER:	Damon L. Boyd										
Total Attachments: 2 source=564364200ASN#page1.tif source=564364200ASN#page2.tif											

CH \$40.00 13570067

## ASSIGNMENT

## UTILITY PATENT

WHEREAS, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the address(es) indicated below, have invented a(n) **Method for Supplying Gas With Flow Rate Gradient Over Substrate** for which application for Letters Patent of the United States is being applied for herewith (hereinafter "Application");

AND WHEREAS, **ASM IP Holding B.V.** (hereinafter "ASSIGNEE"), a corporation having its principal place of business at Versterkerstraat 8, 1322 AP Almere, The Netherlands, is desirous of acquiring the entire right, title, and interest in and to the Application and the invention as described in the Application;

AND WHEREAS, a "formal application," as referred to herein, shall include the Application including any provisional, non-provisional, design, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document thereof,

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, title, and interest in and to the Applications, the invention as described in the Application, and all formal applications which may be filed based in whole or in part on one or more of the aforesaid applications, 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 said Letters Patent 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 and formal applications based thereon, growing out of or relating to the invention; and, 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 and any improvements therein,

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 formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEE.

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

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Dai Ishikawa</u>	<u>Ome-Shi, Tokyo</u> <u>Japan</u>	<u>Dai Ishikawa</u>	<u>Aug. 2, 2012</u>

WITNESS NAME	SIGNATURE	DATE
<u>Junya Morimoto</u>	<u>J. Morimoto</u>	<u>Aug 2, 2012</u>

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Kiyohiro Matsushita</u>	<u>Fuchu-Shi, Tokyo</u> <u>Japan</u>	<u>Kiyohiro Matsushita</u>	<u>7/8/12</u>

WITNESS NAME	SIGNATURE	DATE
<u>Dai Ishikawa</u>	<u>Dai Ishikawa</u>	<u>Aug. 7, 2012</u>

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