

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>Julian J. Hsieh</td><td>03/05/2010</td></tr><tr><td>Nobuyoshi Kobayashi</td><td>03/05/2010</td></tr><tr><td>Akira Shimizu</td><td>03/05/2010</td></tr><tr><td>Kiyohiro Matsushita</td><td>03/05/2010</td></tr><tr><td>Atsuki Fukazawa</td><td>03/05/2010</td></tr></tbody></table>		Name	Execution Date	Julian J. Hsieh	03/05/2010	Nobuyoshi Kobayashi	03/05/2010	Akira Shimizu	03/05/2010	Kiyohiro Matsushita	03/05/2010	Atsuki Fukazawa	03/05/2010
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>ASM Japan K.K.</td></tr><tr><td>Street Address:</td><td>23-1, 6-chome Nagayama</td></tr><tr><td>City:</td><td>Tama-shi, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>206-0025</td></tr></table>		Name:	ASM Japan K.K.	Street Address:	23-1, 6-chome Nagayama	City:	Tama-shi, Tokyo	State/Country:	JAPAN	Postal Code:	206-0025		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (602)382-6070 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	56436.1200												
NAME OF SUBMITTER:	Damon L. Boyd												

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PATENT
REEL: 024037 FRAME: 0976

Total Attachments: 3

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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 FORMING INTERCONNECT STRUCTURE HAVING AIRGAP for which application for Letters Patent of the United States is being applied for herewith (hereinafter "Application");

AND WHEREAS, ASM Japan K.K. (hereinafter "ASSIGNEE"), a corporation having its principal place of business at Tokyo, Japan and a mailing address of 23-1, 6-chome Nagayama, Tama-shi, Tokyo, Japan 206-0025, 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,

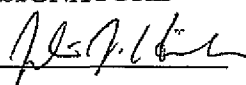
AND HEREBY AGREE to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, 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.

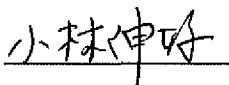
EXECUTED as of the date(s) written below by ASSIGNOR:

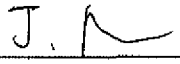
Application No.: 12/718,731

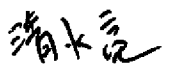
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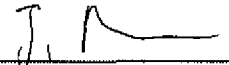
INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Julian J. Hsieh</u>	<u>Zhubei City, Hsinchu County</u> <u>30264, Taiwan (R.O.C)</u>	<u></u>	<u>3/5/2010</u>

WITNESS NAME	SIGNATURE	DATE
<u>CHIH-LUNG, PENG</u>	<u>PENG, CHIH-LUNG</u>	<u>2010/3/5</u>

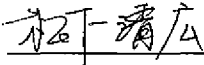
INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Nobuyoshi Kobayashi</u>	<u>Kawagoe-shi, Saitama</u> <u>Japan</u>	<u></u>	<u>3/5/2010</u>

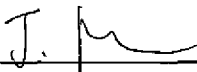
WITNESS NAME	SIGNATURE	DATE
<u>Junya Morimoto</u>	<u>J. </u>	<u>2010/3/5</u>


INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Akira Shimizu</u>	<u>Sagamihara-shi, Kanagawa</u> <u>Japan</u>	<u></u>	<u>2010/3/5</u>

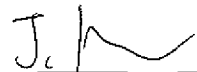
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<u>Junya Morimoto</u>	<u>J. </u>	<u>2010/3/5</u>

Application No.: 12/718,731
Filed: 03/05/2010

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Kiyohiro Matsushita</u>	<u>Fuchu-shi, Tokyo</u> <u>Japan</u>	<u></u>	<u>Mar. 5 '10</u>

WITNESS NAME	SIGNATURE	DATE
<u>Junya Morimoto</u>	<u></u>	<u>20/03/5</u>

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Atsuki Fukazawa</u>	<u>Tama-shi, Tokyo</u> <u>Japan</u>	<u></u>	<u>5th March 2010</u>

WITNESS NAME	SIGNATURE	DATE
<u>Junya Morimoto</u>	<u></u>	<u>20/03/5</u>

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