

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>Yoshinori Ejiri</td> <td>03/23/2012</td> </tr> <tr> <td>Kiyoshi Hasegawa</td> <td>03/23/2012</td> </tr> <tr> <td>Takehisa Sakurai</td> <td>03/23/2012</td> </tr> <tr> <td>Yoshiaki Tsubomatsu</td> <td>03/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yoshinori Ejiri	03/23/2012	Kiyoshi Hasegawa	03/23/2012	Takehisa Sakurai	03/23/2012	Yoshiaki Tsubomatsu	03/26/2012
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RECEIVING PARTY DATA											
Name:	Hitachi Chemical Company, Ltd.										
Street Address:	1-1, Nishi-Shinjuku 2-chome, Shinjuku-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	163-0449										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13394688</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13394688						
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Application Number:	13394688										
CORRESPONDENCE DATA											
Fax Number:	(703)979-7429										
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NAME OF SUBMITTER:	Bridget D. Burke										
Total Attachments: 1 source=12-05-29 Assignment#page1.tif											

CH \$40.00 13394688

ASSIGNMENT

Whereas, I/we,

<u>Name</u>	<u>Address</u>
1) Yoshinori EJIRI	c/o HITACHI CHEMICAL COMPANY, LTD., 1500, Ogawa, Chikusei-shi, Ibaraki 308-8521 Japan
2) Kiyoshi HASEGAWA	c/o HITACHI CHEMICAL COMPANY, LTD., 1500, Ogawa, Chikusei-shi, Ibaraki 308-8521 Japan
3) Takehisa SAKURAI	c/o HITACHI CHEMICAL COMPANY, LTD., 1500, Ogawa, Chikusei-shi, Ibaraki 308-8521 Japan
4) Yoshiaki TSUBOMATSU	c/o HITACHI CHEMICAL COMPANY, LTD., 1500, Ogawa, Chikusei-shi, Ibaraki 308-8521 Japan

hereinafter called assignor(s), have invented certain improvements in
SUBSTRATE FOR MOUNTING SEMICONDUCTOR CHIP AND METHOD FOR PRODUCING SAME

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on March 7, 2012, Serial No. 13 / 394-688; and

Whereas

HITACHI CHEMICAL COMPANY, LTD.
1-1, Nishi-Shinjuku 2-chome,
Shinjuku-ku, Tokyo 163-0449 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED

1): Name:	<u>Yoshinori Ejiri</u> Yoshinori EJIRI	<u>March 23, 2012</u>
2): Name:	<u>Kiyoshi Hasegawa</u> Kiyoshi HASEGAWA	<u>March 23, 2012</u>
3): Name:	<u>Takehisa Sakurai</u> Takehisa SAKURAI	<u>March 23, 2012</u>
4): Name:	<u>Yoshiaki Tsubomatsu</u> Yoshiaki TSUBOMATSU	<u>March 26, 2012</u>

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)