

## 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>Takuya KADOGUCHI</td> <td>12/13/2011</td> </tr> <tr> <td>Tomomi OKUMURA</td> <td>12/13/2011</td> </tr> <tr> <td>Tatsuya MIYOSHI</td> <td>12/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Takuya KADOGUCHI	12/13/2011	Tomomi OKUMURA	12/13/2011	Tatsuya MIYOSHI	12/13/2011
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Takuya KADOGUCHI	12/13/2011								
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Tatsuya MIYOSHI	12/13/2011								
RECEIVING PARTY DATA									
Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA								
Street Address:	1, Toyota-cho								
City:	Toyota-shi, Aichi-ken								
State/Country:	JAPAN								
Postal Code:	471-8571								
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>13349993</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13349993				
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Application Number:	13349993								
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Total Attachments: 2 source=476-154_Assignment#page1.tif source=476-154_Assignment#page2.tif									

OP \$40.00 13349993

ASSIGNMENT

WHEREAS, I (we),

- (1) Takuya Kadoguchi, citizen of Japan, residing at Toyota-shi, Aichi-ken, Japan,
- (2) Tomomi Okumura, citizen of Japan, residing at Toyota-shi, Aichi-ken, Japan,
- (3) Tatsuya Miyoshi, citizen of Japan, residing at Nagoya-shi, Aichi-ken, Japan,

have made new and useful improvements in an invention entitled  
**SEMICONDUCTOR MODULE**

\_\_\_\_\_ ,  
\_\_\_\_\_ ,  
for which an application for Letters Patent:

[ ] was filed as United States Patent Application Serial No. \_\_\_\_\_ on  
\_\_\_\_\_

[x] is submitted herewith, and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a Japanese company, having its principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said application and the invention therein described and claimed, and to any Letters Patent that may be granted therefor in the United States.

NOW, THEREFORE, in consideration of the equivalent of One U.S. Dollar (U.S. \$1.00) and other valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to any inventions and discoveries described in said application, said application for Letters Patent of the United States of America, including all divisional, renewal, reissue, re-examination, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in the United States for any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue or transfer all said Letters Patent to Assignee, as Assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are ware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 13th day of December, 20 11 .

Takuya Kadoguchi  
Name: **Takuya Kadoguchi**

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 13th day of December, 20 11 .

Tomomi Okumura  
Name: **Tomomi Okumura**

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 13th day of December, 20 11 .

Tatsuya Miyoshi  
Name: **Tatsuya Miyoshi**