

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>01/09/2013</td> </tr> <tr> <td>Yoshikazu Suzuki</td> <td>01/09/2013</td> </tr> <tr> <td>Masaya Kaji</td> <td>01/09/2013</td> </tr> <tr> <td>Kiyofumi Nakajima</td> <td>01/09/2013</td> </tr> <tr> <td>Tatsuya Miyoshi</td> <td>01/09/2013</td> </tr> <tr> <td>Takanori Kawashima</td> <td>01/09/2013</td> </tr> <tr> <td>Tomomi Okumura</td> <td>01/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	Takuya Kadoguchi	01/09/2013	Yoshikazu Suzuki	01/09/2013	Masaya Kaji	01/09/2013	Kiyofumi Nakajima	01/09/2013	Tatsuya Miyoshi	01/09/2013	Takanori Kawashima	01/09/2013	Tomomi Okumura	01/09/2013
Name	Execution Date																
Takuya Kadoguchi	01/09/2013																
Yoshikazu Suzuki	01/09/2013																
Masaya Kaji	01/09/2013																
Kiyofumi Nakajima	01/09/2013																
Tatsuya Miyoshi	01/09/2013																
Takanori Kawashima	01/09/2013																
Tomomi Okumura	01/09/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>Toyota Jidosha Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>1, Toyota-Cho</td> </tr> <tr> <td>City:</td> <td>Toyota-Shi, Aichi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>471-8571</td> </tr> </table>		Name:	Toyota Jidosha Kabushiki Kaisha	Street Address:	1, Toyota-Cho	City:	Toyota-Shi, Aichi	State/Country:	JAPAN	Postal Code:	471-8571						
Name:	Toyota Jidosha Kabushiki Kaisha																
Street Address:	1, Toyota-Cho																
City:	Toyota-Shi, Aichi																
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>13819209</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13819209												
Property Type	Number																
Application Number:	13819209																
CORRESPONDENCE DATA																	
<p>Fax Number:  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: schan@kenyon.com</p> <p>Correspondent Name: Shawn W. O'Dowd</p> <p>Address Line 1: 1500 K Street N.W.</p> <p>Address Line 2: Kenyon &amp; Kenyon LLP</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20005-1257</p>																	
NAME OF SUBMITTER:	Shawn W. O'Dowd																

Signature:	/Shawn W. O'Dowd/
Date:	07/31/2013
Total Attachments: 3 source=2513106_1#page1.tif source=2513106_1#page2.tif source=2513106_1#page3.tif	

ASSIGNMENT

WHEREAS, we,

(1) Takuya KADOGUCHI, (2) Yoshikazu SUZUKI, (3) Masaya KAJI, (4) Kiyofumi NAKAJIMA, (5) Tatsuya MIYOSHI, (6) Takanori KAWASHIMA and (7) Tomomi OKUMURA, citizens of Japan, residing at (1) Toyota-shi, Aichi, Japan, (2) Toyota-shi, Aichi, Japan, (3) Toyota-shi, Aichi, Japan, (4) Chigasaki-shi, Kanagawa, Japan, (5) Nagoya-shi, Aichi, Japan, (6) Anjo-shi, Aichi, Japan and (7) Toyota-shi, Aichi, Japan,

have made new and useful improvements in an invention entitled

SEMICONDUCTER MODULE

for which an application for Letters Patent:

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

[X] is submitted herewith, and

WHEREAS, (1) TOYOTA JIDOSHA KABUSHIKI KAISHA, a Japanese company, having its principal place of business at 1, Toyota-cho, Toyota-shi, Aichi 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 9<sup>th</sup> day  
of January, 2013.

Takuya Kadoyuchi  
Name: Takuya KADOGUCHI

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9<sup>th</sup> day  
of January, 2013.

Yoshikazu Suzuki  
Name: Yoshikazu SUZUKI

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9<sup>th</sup> day  
of January, 2013.

Masaya Kaji  
Name: Masaya KAJI

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9<sup>th</sup> day  
of January, 2013.

Kiyofumi Nakajima  
Name: Kiyofumi NAKAJIMA

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9th day  
of January, 20 13.

Tatsuya Miyoshi  
Name: Tatsuya MIYOSHI

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9th day  
of January, 20 13.

Takanori Kawashima  
Name: Takanori KAWASHIMA

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9th day  
of January, 20 13.

Tomomi Okumura  
Name: Tomomi OKUMURA