

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Masahiro SUGIMOTO</td> <td>04/10/2012</td> </tr> <tr> <td>Akinori SEKI</td> <td>04/11/2012</td> </tr> <tr> <td>Akira KAWAHASHI</td> <td>04/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masahiro SUGIMOTO	04/10/2012	Akinori SEKI	04/11/2012	Akira KAWAHASHI	04/13/2012
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Masahiro SUGIMOTO	04/10/2012								
Akinori SEKI	04/11/2012								
Akira KAWAHASHI	04/13/2012								
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>13499652</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13499652				
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Application Number:	13499652								
CORRESPONDENCE DATA									
Fax Number:	(202)220-4201								
Phone:	202-220-4200								
Email:	mkuspa@kenyon.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	KENYON & KENYON LLP								
Address Line 1:	1500 K STREET N.W.								
Address Line 2:	SUITE 700								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005-1257								
ATTORNEY DOCKET NUMBER:	12394/44								
NAME OF SUBMITTER:	Matthew G. Kuspa								
Total Attachments: 2 source=12394-44_Assignment1#page1.tif source=12394-44_Assignment1#page2.tif									

OP \$40.00 13499652

ASSIGNMENT FOR US PATENT APPLICATIONS AND US PATENTS

WHEREAS, the undersigned inventors, Masahiro SUGIMOTO of Toyota-shi, Aichi-ken, Japan, Akinori SEKI of Sunto-gun, Shizuoka-ken, Japan and Akira KAWAHASHI of Komaki-shi, Aichi-ken, Japan (hereinafter referred to as "the Assignors"), have invented certain new and useful improvements in "SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE", and are the joint owner of the entire right, title and interest in and to said improvements;

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a corporation duly organized under the laws of Japan, and having a principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest of the Assignor in and to said improvements;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, do hereby sell, assign, transfer, and set over, unto the Assignee, its successors, and legal representatives, the entire right, title, and interest of the Assignors in and to the above-mentioned improvements, the above-mentioned entire right, title and interest of the Assignors include the entire right, title and interest in and to any Japanese patent applications based on said improvements, in and to any and all Japanese Patents that may be granted therefor and thereon, in and to any patent applications based on said improvements that may be filed to the United States of America (hereinafter "US"), in and to any and all US Patents that may be granted therefor and thereon, in and to any and all applications claiming priority to said applications, in and to any divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, and legal representatives to the full end of the term or terms for which Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND the Assignors hereby confirm that the Assignee has filed Japanese patent application for said improvements on October 1, 2009 to which serial No. 2009-229381 has been assigned, and is entitled to file any US patent applications based on said improvements;

AND for the same consideration, the Assignors hereby covenant to and agree with the Assignee, its successors and legal representatives, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of their entire right, title, and interest in and to the improvements set forth in said above-mentioned application, and that the same right, title, and interest are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant to and agree with the Assignee, its successors, and legal representatives that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, and legal representatives, shall advise that any proceeding in connection with said improvements or said applications for Patents, or any proceeding in connection with US Patents for said improvements in the United States of America, including interference proceedings, is lawful and desirable, or that

any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Patents, or any reissue or extension of any Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Patents for said improvements, without charge to the Assignee, its successors, and legal representatives, but at the cost and expense of the Assignee, their successors, and legal representatives;

AND Assignors hereby authorize the Assignee, its successors and legal representatives, or anyone it may properly designate, to insert below the filing date and serial number of said US patent application, when said filing date and serial number become available:

US Patent Application Serial No. 13/499,652 Filing Date March 30, 2012 ;

AND the Assignors hereby request the Commissioner of Patents and Trademarks to issue any and all said US Patents that may be granted upon any of the above-mentioned applications, in the name of the Assignee, for the sole use and behalf of the Assignee, its successors, and legal representatives.

Date: April 10, 2012 Name of Assignor Masahiro Sugimoto
Masahiro SUGIMOTO

Date: April 11, 2012 Name of Assignor Akinori Seki
Akinori SEKI

Date: April 13, 2012 Name of Assignor Akira Kawahashi
Akira KAWAHASHI