

## 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>Koichi Tanaka</td> <td>01/11/2013</td> </tr> <tr> <td>Tatsuya Kawamura</td> <td>01/11/2013</td> </tr> <tr> <td>Hiroya Mizuta</td> <td>01/11/2013</td> </tr> <tr> <td>Koichi Nakamura</td> <td>01/11/2013</td> </tr> <tr> <td>Rikiya Kubo</td> <td>01/11/2013</td> </tr> <tr> <td>Yoshihiko Sasaki</td> <td>01/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Koichi Tanaka	01/11/2013	Tatsuya Kawamura	01/11/2013	Hiroya Mizuta	01/11/2013	Koichi Nakamura	01/11/2013	Rikiya Kubo	01/11/2013	Yoshihiko Sasaki	01/11/2013
Name	Execution Date														
Koichi Tanaka	01/11/2013														
Tatsuya Kawamura	01/11/2013														
Hiroya Mizuta	01/11/2013														
Koichi Nakamura	01/11/2013														
Rikiya Kubo	01/11/2013														
Yoshihiko Sasaki	01/11/2013														
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-ken</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-ken	State/Country:	JAPAN	Postal Code:	471-8571				
Name:	Toyota Jidosha Kabushiki Kaisha														
Street Address:	1, Toyota-cho														
City:	Toyota-shi, Aichi-ken														
State/Country:	JAPAN														
Postal Code:	471-8571														
<table border="1"> <tr> <td>Name:</td> <td>Aisin AW Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>10, Takane, Fujii-cho</td> </tr> <tr> <td>City:</td> <td>Anjo-shi, Aichi-ken</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>444-1192</td> </tr> </table>		Name:	Aisin AW Co., Ltd.	Street Address:	10, Takane, Fujii-cho	City:	Anjo-shi, Aichi-ken	State/Country:	JAPAN	Postal Code:	444-1192				
Name:	Aisin AW Co., Ltd.														
Street Address:	10, Takane, Fujii-cho														
City:	Anjo-shi, Aichi-ken														
State/Country:	JAPAN														
Postal Code:	444-1192														
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>13757495</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13757495										
Property Type	Number														
Application Number:	13757495														
CORRESPONDENCE DATA															
Fax Number:	2486475210														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	248-647-6000														
Email:	crichard@patlaw.com														

OP \$40.00 13757495

Correspondent Name:	Gifford Krass et al.
Address Line 1:	P.O. Box 7021
Address Line 4:	Troy, MICHIGAN 48007

ATTORNEY DOCKET NUMBER:	TMCT-44002/08
-------------------------	---------------

NAME OF SUBMITTER:	Thomas E. Anderson
--------------------	--------------------

Total Attachments: 3 source=13757495_Assignment#page1.tif source=13757495_Assignment#page2.tif source=13757495_Assignment#page3.tif
--

**ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made this 11th day of January, 2013, by Koichi TANAKA, Tatsuya KAWAMURA, Hiroya MIZUTA, Koichi NAKAMURA, Rikiya KUBO and Yoshihiko SASAKI (hereinafter referred to as Assignors), residing at Okazaki-shi, Aichi-ken, Japan; Nagoya-shi, Aichi-ken, Japan; Nagoya-shi, Aichi-ken, Japan; Toyota-shi, Aichi-ken, Japan; Okazaki-shi, Aichi-ken, Japan; and Okazaki-shi, Aichi-ken, Japan, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in

**DIFFERENTIAL AND DIFFERENTIAL ASSEMBLY METHOD**

a Patent application for Letters Patent of the United States, filed on February 1, 2013

as U.S. Application No. 13/757,495 and

**WHEREAS**, TOYOTA JIDOSHA KABUSHIKI KAISHA and AISIN AW CO., LTD., organized under and pursuant to the laws of Japan having its principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan and 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken, 444-1192, Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial

Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that 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, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

All practitioners at Customer Number 25006

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: January 11, 2013      Signature: Koichi Tanaka  
Koichi TANAKA

Date: January 11, 2013      Signature: Tatsuya Kawamura  
Tatsuya KAWAMURA

Date: January 11, 2013      Signature: Hiroya Mizuta  
Hiroya MIZUTA

Date: January 11, 2013      Signature: Koichi Nakamura  
Koichi NAKAMURA

Date: January 11, 2013      Signature: Rikiya Kubo  
Rikiya KUBO

Date: January 11, 2013      Signature: Yoshihiko Sasaki  
Yoshihiko SASAKI