

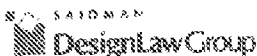
## PATENT ASSIGNMENT

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 SUGA</td> <td>11/28/2012</td> </tr> <tr> <td>Kenichi HIRAI</td> <td>11/28/2012</td> </tr> <tr> <td>Jun TAKAHASHI</td> <td>11/28/2012</td> </tr> <tr> <td>Ken BILLES</td> <td>11/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Koichi SUGA	11/28/2012	Kenichi HIRAI	11/28/2012	Jun TAKAHASHI	11/28/2012	Ken BILLES	11/28/2012
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Koichi SUGA	11/28/2012										
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RECEIVING PARTY DATA											
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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>29425606</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	29425606						
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Application Number:	29425606										
CORRESPONDENCE DATA											
Fax Number:											
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	George D. Raynal										
Total Attachments: 1 source=Assignment_1612431#page1.tif											

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PATENT



Attorney Docket No.: 1612.431

**ASSIGNMENT BY INVENTOR(S)**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned:  
Koichi SUGA, Kenichi HIRAI, Jun TAKAHASHI, and Ken BILLES

the undersigned hereby sell(s) and assign(s) to: TOYOTA JIDOSHA KABUSHIKI KAISHA  
 (Assignee)

the entire right, title and interest:

Check applicable box(es):  for the United States of America  
 (as defined in 35 U.S.C. §100),  
 and throughout the world, including the right to file foreign application(s) and  
 the right to claim priority from the corresponding U.S. application(s),

in the invention(s) known as AUTOMOBILE for which application(s) for patent in the United States of America has (have) been executed by the undersigned (also known as United States Application Serial No. 29423606, filed June 25, 2012), in any and all provisional and complete applications thereon, in any and all reissues, extensions, renewals, reexaminations, divisional, continuations, and continuations-in-part, of such applications or Letters Patent(s) to the full end of the term or terms for which such Letters Patent(s) issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuation, divisional, continuation-in-part, reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning the application(s) or any continuation, division, reissue or reexamination thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with the interference.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby covenant(s) that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Perry J. Saidman, Esq., Registration No. 26,028, of SAIDMAN DesignLaw Group, 8601 Georgia Avenue, Suite 603, Silver Spring, MD 20910, 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.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date:	Signature of Inventor:	Name
1. <u>November 28, 2012</u>	<u>Koichi Suga</u>	Koichi SUGA
2. <u>November 28, 2012</u>	<u>Kenichi Hira</u>	Kenichi HIRAI
3. <u>November 28, 2012</u>	<u>Jun Takahashi</u>	Jun TAKAHASHI
4. <u>November 28, 2012</u>	<u>Ken Billes</u>	Ken BILLES

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