

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>Hiroyuki TAKAYANAGI</td> <td>09/28/2012</td> </tr> <tr> <td>Hiroki ENDO</td> <td>09/28/2012</td> </tr> <tr> <td>Masaya YAMAMOTO</td> <td>09/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hiroyuki TAKAYANAGI	09/28/2012	Hiroki ENDO	09/28/2012	Masaya YAMAMOTO	09/28/2012		
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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
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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>13643941</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13643941						
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CORRESPONDENCE DATA											
Fax Number:	2022204201										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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OP \$40.00 13643941

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ATTORNEY DOCKET NUMBER:

13372/137

NAME OF SUBMITTER:

Matthew G. Kuspa

Total Attachments: 2

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ASSIGNMENT

WHEREAS, we, (1)Hiroyuki TAKAYANAGI, (2)Hiroki ENDO,
(3)Masaya YAMAMOTO, citizens of Japan, residing at (1)Toyota-shi, Aichi-ken,
Japan, (2)Nisshin-shi, Aichi-ken, Japan, (3)Kasugai-shi, Aichi-ken,
Japan, respectively (hereinafter referred to as "the Assignor"); have made new
and useful improvements in an invention entitled Control Device for a Hybrid
Vehicle, and Hybrid Vehicle Incorporating Control Device, for which we
are about to make application for Letters Patent in the United States, said
application having been executed on even date hereof; and

WHEREAS, (1)TOYOTA JIDOSHA KABUSHIKI KAISHA and (2)DENSO
CORPORATION, a corporation organized and existing under and by virtue of the laws
of Japan, having its principle place of business at (1)1, Toyota-cho, Toyota-
shi, Aichi-ken, 471-8571 Japan and (2)1-1, Showa-cho, Kariya-shi,
Aichi-ken, 448-8661 Japan, who, together with its successors and assigns,
(hereinafter called "Assignee,") is desirous of acquiring the title, rights, benefits, and
privileges hereinafter recited.

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 said inventions and discoveries, said application for Letters Patent
of the United States of America, including all divisional, renewal, substitute, and
continuation 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.

2. Authorize and request the Assistant Commissioner for Patents 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.

3. Warrant that we have not knowingly conveyed to others any right 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; and that we have good right to assign the same to Assignee without encumbrance.

4. 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; and 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal
this 28th day of September, 2012.

Hiroyuki Takayanagi
Hiroyuki TAKAYANAGI

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal
this 28th day of September, 2012.

Hiroki Endo
Hiroki ENDO

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal
this 28th day of September, 2012.

Masaya Yamamoto
Masaya YAMAMOTO