

PATENT ASSIGNMENT

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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>Takahisa YASHIRO</td> <td>04/19/2012</td> </tr> <tr> <td>Hiroki KATO</td> <td>04/19/2012</td> </tr> <tr> <td>Kentaro HARUNO</td> <td>04/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Takahisa YASHIRO	04/19/2012	Hiroki KATO	04/19/2012	Kentaro HARUNO	04/19/2012		
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CORRESPONDENCE DATA											
<p>Fax Number: (202)220-4201</p> <p>Phone: 202-220-4200</p> <p>Email: mkuspa@kenyon.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: KENYON & KENYON LLP</p> <p>Address Line 1: 1500 K STREET N.W.</p> <p>Address Line 2: SUITE 700</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20005-1257</p>											
ATTORNEY DOCKET NUMBER:	77792/148										
NAME OF SUBMITTER:	Matthew G. Kuspa										
Total Attachments: 5											

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ASSIGNMENT

WHEREAS, we, Takahisa YASHIRO, Hiroki KATO and Kentaro HARUNO,
citizens of Japan, all
residing at Toyota-shi, Aichi-ken, Japan (hereinafter
referred to as "the Assignor"); have made new and useful improvements in an
invention entitled ROTATING ELECTRICAL-MACHINE CONTROL SYSTEM
AND METHOD OF OPERATING MAGNET TEMPERATURE OF ROTATING
ELECTRICAL-MACHINE,

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, TOYOTA JIDOSHA KABUSHIKI KAISHA, a corporation
organized and existing under and by virtue of the laws of Japan, having its
principle place of business at _____
1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 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 19th day of April, 2012.

A handwritten signature in black ink, appearing to read 'Takahisa Yashiro', written over a horizontal line.

Takahisa YASHIRO

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 19th day of April, 2012

Hiroki Kato

Hiroki KATO

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 19th day of April, 2012

Kentaro Haruno

Kentaro HARUNO