

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>Noboru TAKAGI</td> <td>06/18/2012</td> </tr> <tr> <td>Hiromitu SEO</td> <td>06/18/2012</td> </tr> <tr> <td>Eiichiro KIDO</td> <td>06/18/2012</td> </tr> <tr> <td>Takamitsu MIZUTANI</td> <td>06/18/2012</td> </tr> <tr> <td>Hirokazu ANDO</td> <td>06/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Noboru TAKAGI	06/18/2012	Hiromitu SEO	06/18/2012	Eiichiro KIDO	06/18/2012	Takamitsu MIZUTANI	06/18/2012	Hirokazu ANDO	06/18/2012
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<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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CORRESPONDENCE DATA													
<p>Fax Number: 7034132220</p> <p>Phone: (703) 413-3000</p> <p>Email: asomaiel@oblon.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: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	402894US71PCT												
NAME OF SUBMITTER:	Adel Samuel												
<p>Total Attachments: 1</p> <p>source=402894USAssignment#page1.tif</p>													

OP \$40.00 13634048

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|--------------------------|-------------------------------|
| (1) <u>Noboru TAKAGI</u> | (2) <u>Hiromitsu SEO</u> |
| (3) <u>Eiichiro KIDO</u> | (4) <u>Takamitsu MIZUTANI</u> |
| (5) <u>Hirokazu ANDO</u> | |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

TOYOTA JIDOSHA KABUSHIKI KAISHA

1, Toyota-cho, Toyota-shi
Aichi-ken, 471-8571
JAPAN

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Noboru Takagi</u> Name: Noboru TAKAGI	<u>June 18. 2012</u>
2) <u>Hiromitsu Seo</u> Name: Hiromitsu SEO	<u>June 18. 2012</u>
3) <u>Eiichiro Kido</u> Name: Eiichiro KIDO <u>H,SA, June 18. 2012</u>	<u>June 18. 2012</u>
4) <u>Takamitsu Mizutani</u> Name: Takamitsu MIZUTANI	<u>June 18. 2012</u>
5) <u>Hirokazu Ando</u> Name: Hirokazu ANDO	<u>June 18. 2012</u>

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