

## 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>Yoshiyuki SHOGENJI</td> <td>10/25/2012</td> </tr> <tr> <td>Fumito TAKIMOTO</td> <td>10/25/2012</td> </tr> <tr> <td>Takashi NAKAGAWA</td> <td>10/25/2012</td> </tr> <tr> <td>Shunsuke HABARA</td> <td>10/25/2012</td> </tr> </tbody> </table>	Name	Execution Date	Yoshiyuki SHOGENJI	10/25/2012	Fumito TAKIMOTO	10/25/2012	Takashi NAKAGAWA	10/25/2012	Shunsuke HABARA	10/25/2012	
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RECEIVING PARTY DATA											
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State/Country:	JAPAN										
Postal Code:	471-8571										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Application Number:	13702835										
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NAME OF SUBMITTER:	Gudrun Harmon asst. to William H. Mandir										
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## Assignment

Whereas, I/we, Yoshiyuki SHOGENJI, Fumito TAKIMOTO, Takashi NAKAGAWA and Shunsuke HABARA of Toyota-shi, Aichi-ken, Japan, Nagoya-shi, Aichi-ken, Japan, Toyota-shi, Aichi-ken, Japan and Toyota-shi, Aichi-ken, Japan, respectively, hereinafter called assignor(s), have invented certain improvements in

**METHOD AND APPARATUS FOR CONTROLLING A VARIABLE VALVE SYSTEM**

and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (assignee), desire to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/we, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/we hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date: October 25, 2012 Yoshiyuki Shogenji  
s/ Yoshiyuki SHOGENJI

Date: October 25, 2012 Fumito Takimoto  
s/ Fumito TAKIMOTO

Date: October 25, 2012 Takashi Nakagawa  
s/ Takashi NAKAGAWA

Date: October 25, 2012 Shunsuke Habara  
s/ Shunsuke HABARA

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)