

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>Atsushi MURAI</td><td>09/04/2011</td></tr><tr><td>Tomoyuki MURAKAMI</td><td>09/04/2011</td></tr><tr><td>Yoshitatsu NAKAMURA</td><td>09/04/2011</td></tr></tbody></table>	Name	Execution Date	Atsushi MURAI	09/04/2011	Tomoyuki MURAKAMI	09/04/2011	Yoshitatsu NAKAMURA	09/04/2011	
Name	Execution Date								
Atsushi MURAI	09/04/2011								
Tomoyuki MURAKAMI	09/04/2011								
Yoshitatsu NAKAMURA	09/04/2011								
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State/Country:	JAPAN								
Postal Code:	312-8503								
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>13237385</td></tr></tbody></table>	Property Type	Number	Application Number:	13237385					
Property Type	Number								
Application Number:	13237385								
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Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif									

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PATENT
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U.S. Rights--Sole or Joint

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee *Hitachi Automotive Systems, Ltd., 2520 Takaba, Hitachinaka-shi, Ibaraki 312-8503 Japan*

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

title of invention *APPARATUS FOR AND METHOD OF CONTROLLING VARIABLE VALVE TIMING MECHANISM*

as set forth in this United States Patent Application

Check one ☐ executed concurrently herewith
☐ executed on _____
☒ Serial No. 13/237,385 Filed September 20, 2011

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to

assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **FOLEY & LARDNER LLP** the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAME(S) AND SIGNATURE(S) OF INVENTOR(S)		
Name: Atsushi MURAI	Signature: <i>Atsushi Murai</i>	Date: September 4, 2011
Name: Tomoyuki MURAKAMI	Signature: <i>Tomoyuki Murakami</i>	Date: September 4, 2011
Name: Yoshitatsu NAKAMURA	Signature: <i>Yoshitatsu Nakamura</i>	Date: September 4, 2011
Name:	Signature:	Date:
Name:	Signature:	Date:
NAME(S) AND SIGNATURE(S) OF WITNESS(ES)		
Name:	Signature:	Date:
Name:	Signature:	Date:
Name:	Signature:	Date:
Name:	Signature:	Date:
Name:	Signature:	Date:

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.