

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>Masanobu MATSUSAKA</td> <td>09/18/2012</td> </tr> <tr> <td>Tadayoshi SATO</td> <td>09/18/2012</td> </tr> <tr> <td>Kentaroh MOCHIZUKI</td> <td>09/13/2012</td> </tr> <tr> <td>Koji NUNAMI</td> <td>09/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masanobu MATSUSAKA	09/18/2012	Tadayoshi SATO	09/18/2012	Kentaroh MOCHIZUKI	09/13/2012	Koji NUNAMI	09/18/2012		
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CORRESPONDENCE DATA													
<p>Fax Number: 7038362021 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 703-836-6620 Email: ashley.fernandez@bipc.com Correspondent Name: BUCHANAN, INGERSOLL & ROONEY PC Address Line 1: POST OFFICE BOX 1404 Address Line 4: ALEXANDRIA, VIRGINIA 22313-1404</p>													
ATTORNEY DOCKET NUMBER:	1034290-000077												
NAME OF SUBMITTER:	Matthew L. Schneider												
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif													

OP \$40.00 13637919

Attorney Docket No.:

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 AISIN SEIKI KABUSHIKI KAISHA with offices at 1, Asahi-machi 2-chome, Kariya-shi, Aichi 4488650, Japan (hereinafter ASSIGNEE), effective on the date indicated next to my name, all right, title and interest in and to his invention relating to

VEHICLE COOLANT CONTROL VALVE

as set forth in his United States Patent Application

☒ executed concurrently herewith

☐ executed _____

☐ Serial No. _____ Filed _____

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 and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all divisions, continuations, additions, extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; to be held and enjoyed by said ASSIGNEE, their 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, their 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 that at any time upon request of said ASSIGNEE, their successors, legal representatives or assigns he will communicate to said ASSIGNEE, their successors, legal representatives or assigns all information known to them relating to said invention or patent application and that they 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

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ASSIGNEE, their successors, legal representatives or assigns to perfect title to said invention, to said application including divisions, continuations, reissues, extensions, additions and renewals thereof and to any and all Letters Patent which may be granted therefor or thereon, in said ASSIGNEE, their successors, or assigns or to assist said ASSIGNEE, their successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent for said invention;

Each of the undersigned hereby grants to 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.

Names and Signatures of Inventors:

Signature: <u>Masanobu Matsusaka</u> Masanobu MATSUSAKA	<u>September 18, 2012</u> Date of this Assignment
Signature: <u>Tadayoshi Sato</u> Tadayoshi SATO	<u>September 18, 2012</u> Date of this Assignment
Signature: <u>Kentaroh Mochizuki</u> Kentaroh MOCHIZUKI	<u>September 13, 2012</u> Date of this Assignment
Signature: <u>Koji Nunami</u> Koji NUNAMI	<u>September 18, 2012</u> Date of this Assignment