

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>Hiromu KAKUYA</td> <td>10/11/2011</td> </tr> <tr> <td>Kengo KUMANO</td> <td>10/12/2011</td> </tr> <tr> <td>Shiro YAMAOKA</td> <td>10/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Hiromu KAKUYA	10/11/2011	Kengo KUMANO	10/12/2011	Shiro YAMAOKA	10/17/2011
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<table border="1"> <tr> <td>Name:</td> <td>Hitachi Automotive Systems, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>2520, Takaba</td> </tr> <tr> <td>City:</td> <td>Hitachinaka-shi, Ibaraki</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi Automotive Systems, Ltd.	Street Address:	2520, Takaba	City:	Hitachinaka-shi, Ibaraki	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1									
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Application Number:	13318558								
CORRESPONDENCE DATA									
<p>Fax Number: (202)628-8844</p> <p>Phone: 202-624-2500</p> <p>Email: tyhaynes@crowell.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: Crowell & Moring LLP</p> <p>Address Line 1: 1001 Pennsylvania Avenue, N.W.</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20004</p>									
ATTORNEY DOCKET NUMBER:	105559.64006US								
NAME OF SUBMITTER:	Michael H. Jacobs								
<p>Total Attachments: 1</p> <p>source=64006US_Assignment#page1.tif</p>									

OP \$40.00 13318558

(讓 渡 証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Automotive Systems, Ltd., a corporation organized under the laws of Japan, located at 2520, Takaba, Hitachinaka-shi, Ibaraki, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Automotive Systems, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, No. PCT/JP2010/057076 filed April 21, 2010, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi Automotive Systems, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made:

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Automotive Systems, Ltd.,

Date Signed
(署名日)

10/11/2011

10/12/2011

10/17/2011