

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>TOSHIO ISHIKAWA</td> <td>07/05/2012</td> </tr> <tr> <td>YOSUKE UMESAKI</td> <td>07/05/2012</td> </tr> <tr> <td>MITSUAKI IZUMI</td> <td>07/05/2012</td> </tr> <tr> <td>NAOYUKI TAGUCHI</td> <td>07/05/2012</td> </tr> <tr> <td>TSUYOSHI HARADA</td> <td>07/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	TOSHIO ISHIKAWA	07/05/2012	YOSUKE UMESAKI	07/05/2012	MITSUAKI IZUMI	07/05/2012	NAOYUKI TAGUCHI	07/05/2012	TSUYOSHI HARADA	07/05/2012
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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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CORRESPONDENCE DATA													
Fax Number: 2026725399 Phone: 2026725300 Email: PSHIEK@FOLEY.COM <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: FOLEY & LARDNER, LLP Address Line 1: 3000 K ST., NW Address Line 2: SUITE 600 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20007													
ATTORNEY DOCKET NUMBER:	091442-0137												
NAME OF SUBMITTER:	P. SHIEK FOR W. T. ELLIS												
Total Attachments: 1 source=assign#page1.tif													

OP \$40.00 13579451

ASSIGNMENT
(譲 渡 証)

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As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me 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

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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, executed on even date herewith, 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 hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

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

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Toshio Ishikawa</u> Toshio ISHIKAWA	<u>7/5/2012</u>
2) <u>Yosuke Umesaki</u> Yosuke UMESAKI	<u>7/5/2012</u>
3) <u>Mitsuaki Izumi</u> Mitsuaki IZUMI	<u>7/5/2012</u>
4) <u>Naoyuki Taguchi</u> Naoyuki TAGUCHI	<u>7/5/2012</u>
5) <u>Tsuyoshi Harada</u> Tsuyoshi HARADA	<u>7/5/2012</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____

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