

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>Takeshi HOSHINO</td> <td>02/23/2012</td> </tr> <tr> <td>Youichi HORII</td> <td>03/12/2012</td> </tr> <tr> <td>Tadaaki ISHIKAWA</td> <td>02/27/2012</td> </tr> <tr> <td>Yukiko ICHIGE</td> <td>03/06/2012</td> </tr> <tr> <td>Hiroki SATO</td> <td>03/09/2012</td> </tr> </tbody> </table>	Name	Execution Date	Takeshi HOSHINO	02/23/2012	Youichi HORII	03/12/2012	Tadaaki ISHIKAWA	02/27/2012	Yukiko ICHIGE	03/06/2012	Hiroki SATO	03/09/2012	
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RECEIVING PARTY DATA													
Name:	Hitachi, Ltd.												
Street Address:	6-6, Marunouchi 1-chome												
Internal Address:	Chiyoda-ku												
City:	Tokyo												
State/Country:	JAPAN												
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>13397065</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13397065									
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Application Number:	13397065												
CORRESPONDENCE DATA													
Fax Number:	(703)312-6666												
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NAME OF SUBMITTER:	Paul J. Skwierawski												
Total Attachments: 1 source=Assignment#page1.tif													

OP \$40.00 13397065

PATENT

ASSIGNMENT

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 citizen of Japan by Hitachi, Ltd. , a corporation organized under the laws of Japan , located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan , receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, 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, 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, Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)		Date Signed (署名日)
1)	<u>Takeshi Hoshino</u> (Takeshi HOSHINO)	<u>2/23/2012</u>
2)	<u>Youichi Horii</u> (Youichi HORII)	<u>3/12/2012</u>
3)	<u>Tadaaki Ishikawa</u> (Tadaaki ISHIKAWA)	<u>T.I. 2/27/2012</u> <u>12/02 2/27/2012</u>
4)	<u>Yukiko Ichige</u> (Yukiko ICHIGE)	<u>3/6/2012</u>
5)	<u>Hiroki Sato</u> (Hiroki SATO)	<u>3/9/2012</u>
6)	_____	_____
7)	_____	_____