

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>Ryo Hirana</td> <td>07/13/2012</td> </tr> <tr> <td>Keisuke Hatasaki</td> <td>07/19/2012</td> </tr> <tr> <td>Toshiaki Arai</td> <td>07/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ryo Hirana	07/13/2012	Keisuke Hatasaki	07/19/2012	Toshiaki Arai	07/13/2012
Name	Execution Date								
Ryo Hirana	07/13/2012								
Keisuke Hatasaki	07/19/2012								
Toshiaki Arai	07/13/2012								
RECEIVING PARTY DATA									
Name:	Hitachi, Ltd.								
Street Address:	6-6, Marunouchi 1-chome								
Internal Address:	Chiyoda-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	100-8280								
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>13486530</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13486530				
Property Type	Number								
Application Number:	13486530								
CORRESPONDENCE DATA									
Fax Number:	2155686499								
Phone:	215-568-6400								
Email:	jheuer@vklaw.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:	Volpe and Koenig, P.C.								
Address Line 1:	30 South 17th Street								
Address Line 2:	United Plaza								
Address Line 4:	Philadelphia, PENNSYLVANIA 19103								
ATTORNEY DOCKET NUMBER:	HITACHI-341150404US01								
NAME OF SUBMITTER:	Gerald B. Halt, Jr.								
Total Attachments: 1 source=341150404US01_Assignment_EFS#page1.tif									

CH \$40.00 13486530

ASSIGNMENT

(譲 渡 証)

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, 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

COMPUTER SYSTEM AND DISK SHARING METHOD USED THEREBY

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 our signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	<u>Ryo Hirana</u> Ryo HIRANA	<u>July 13, 2012</u>
2)	<u>Keisuke Hatasaki</u> Keisuke HATASAKI	<u>July 19, 2012</u>
3)	<u>Toshiaki Arai</u> Toshiaki ARAI	<u>July 13, 2012</u>
4)	_____	_____
5)	_____	_____
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____