

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Akane SATO</td> <td>06/30/2010</td> </tr> <tr> <td>Takahiro FUJISHIRO</td> <td>07/05/2010</td> </tr> <tr> <td>Shingo HANE</td> <td>07/08/2010</td> </tr> <tr> <td>Yoko HASHIMOTO</td> <td>06/30/2010</td> </tr> <tr> <td>Masahiko FURUYA</td> <td>07/05/2010</td> </tr> <tr> <td>Masami OGAWA</td> <td>07/05/2010</td> </tr> </tbody> </table>		Name	Execution Date	Akane SATO	06/30/2010	Takahiro FUJISHIRO	07/05/2010	Shingo HANE	07/08/2010	Yoko HASHIMOTO	06/30/2010	Masahiko FURUYA	07/05/2010	Masami OGAWA	07/05/2010
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RECEIVING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>HITACHI, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>6-6, Marunouchi 1-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	HITACHI, LTD.	Street Address:	6-6, Marunouchi 1-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN						
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PROPERTY NUMBERS Total: 1															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12826248</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12826248										
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Application Number:	12826248														
CORRESPONDENCE DATA															
<p>Fax Number: (202)756-8087</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-756-8000</p> <p>Email: kmaramba@mwe.com</p> <p>Correspondent Name: MCDERMOTT WILL & EMERY LLP</p> <p>Address Line 1: 600 13TH STREET, N.W.</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-3096</p>															
ATTORNEY DOCKET NUMBER:	062807-0660														
NAME OF SUBMITTER:	Keith E. George														

CH \$40.00 12826248

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PATENT
REEL: 024977 FRAME: 0793

Total Attachments: 2

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RECORDATION FORM COVER SHEET

Docket No.: 062807-0660

PATENTS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of Conveying Party(ies)

Akane SATO, Takahiro FUJISHIRO, Shingo HANE, Yoko HASHIMOTO, Masahiko FURUYA, Masami OGAWA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): **June 30, 2010, July 5, 2010, July 8, 2010, June 30, 2010, July 5, 2010 and July 5, 2010 (respectively)**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: **HITACHI, LTD.**

Internal Address:

Address: **6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo JAPAN**

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

A. Patent Application No(s).

12/826,248

☐ This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: **MCDERMOTT WILL & EMERY LLP**

Internal Address:

Street Address: **600 13th Street, N.W.**

City: **Washington,** State: **DC** Zip: **20005-3096 D.C.**

Phone Number: **202.756.8000**

Fax Number: **202.756.8087**

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

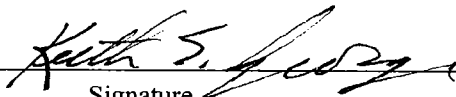
- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information:

- a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number **500417**
Authorized User Name _____

9. Signature.

Keith E. George 34,111



September 13, 2010

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: **2**

ASSIGNMENT
(譲渡証)

W5681-01

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

CERTIFICATE VALIDATION METHOD AND CERTIFICATE VALIDATION SERVER AND STORAGE MEDIUM

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>Akane SATO</u>	<u>6/30/10</u> <u>2010/06/30</u> A.S.
2) <u>Takahiro FUJISHIRO</u>	<u>7/5/10</u>
3) <u>Shingo HANE</u>	<u>7/8/10</u>
4) <u>Yoko HASHIMOTO</u>	<u>6/30/10</u> <u>2010/06/30</u> Y.H.
5) <u>Masahiko FURUYA</u>	<u>7/5/10</u>
6) <u>Masami OGAWA</u>	<u>7/5/10</u>
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____