

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>Wujuan LIN</td> <td>12/05/2012</td> </tr> <tr> <td>Kaushik MYSUR</td> <td>12/05/2012</td> </tr> <tr> <td>Hirokazu IKEDA</td> <td>12/05/2012</td> </tr> <tr> <td>Kenta SHIGA</td> <td>12/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Wujuan LIN	12/05/2012	Kaushik MYSUR	12/05/2012	Hirokazu IKEDA	12/05/2012	Kenta SHIGA	12/14/2012
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<table border="1"> <tr> <td>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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CORRESPONDENCE DATA											
Fax Number: 7036841157 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 703-684-1120 Email: dcashion@mmiplaw.com Correspondent Name: MATTINGLY & MALUR, PC Address Line 1: 1800 DIAGONAL ROAD Address Line 2: SUITE 370 Address Line 4: ALEXANDRIA, VIRGINIA 22314											
ATTORNEY DOCKET NUMBER:	H-8535										
NAME OF SUBMITTER:	Chun-Pok Leung										
Total Attachments: 1 source=8535-Assign#page1.tif											

OP \$40.00 13729256

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 by HITACHI, LTD. (hereinafter referred to as ASSIGNEE), 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 ASSIGNEE, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to application serial no. _____, filed _____, and entitled:

DIRECTORY-LEVEL REFERRAL METHOD FOR PARALLEL NFS WITH MULTIPLE METADATA SERVERS

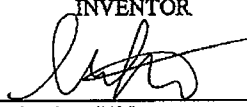
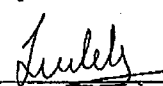

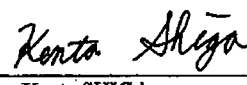
invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, said interest being the entire ownership of said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, 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;

Whereby, I hereby grant the law firm of MATTINGLY & MALUR, P.C., the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document, including inserting the application serial number and filing date when known.

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said ASSIGNEE.

Signed on the date(s) indicated aside signatures:

INVENTOR	Date Signed
1) <u></u> Wujuan LIN	<u>DEC 05, 2012</u>
2) <u></u> Kaushik MYSUR	<u>DEC 05, 2012</u>
3) <u></u> Hirokazu Ikeda	<u>Dec 05, 2012</u>
4) <u></u> Kenta SHIGA	<u>DEC 14, 2012</u>