

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Hiroyuki IMAI</td> <td>10/26/2009</td> </tr> <tr> <td>Naohiro KIYOTA</td> <td>10/26/2009</td> </tr> <tr> <td>Tsuyoshi MOTOKURUMADA</td> <td>10/26/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hiroyuki IMAI	10/26/2009	Naohiro KIYOTA	10/26/2009	Tsuyoshi MOTOKURUMADA	10/26/2009				
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>FUJITSU LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Kamikodanaka 4-chome</td> </tr> <tr> <td>Internal Address:</td> <td>Nakahara-ku, Kawasaki-shi</td> </tr> <tr> <td>City:</td> <td>Kanagawa</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>211-8588</td> </tr> </table>		Name:	FUJITSU LIMITED	Street Address:	1-1, Kamikodanaka 4-chome	Internal Address:	Nakahara-ku, Kawasaki-shi	City:	Kanagawa	State/Country:	JAPAN	Postal Code:	211-8588
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (202)434-1501 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 2024341500 Email: ncastell@s-n-h.com Correspondent Name: STAAS & HALSEY Address Line 1: 1201 New York Avenue Address Line 2: Suite 700 Address Line 4: Washington, DISTRICT OF COLUMBIA 20005													
NAME OF SUBMITTER:	Richard A. Gollhofer												
Total Attachments: 2 source=Assignment_Transmittal#page1.tif source=1pg_Assignment#page1.tif													

CH \$40.00 12636619

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PATENT
REEL: 023650 FRAME: 0449

PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached document.

1. Name of conveying party(ies):

HIROYUKI IMAI
NAOHIRO KIYOTA
TSUYOSHI MOTOKURUMADA

2. Name and Address of receiving party(ies):

FUJITSU LIMITED
1-1, Kamikodanaka 4-chome
Nakahara-ku, Kawasaki-shi
Kanagawa 211-8588, Japan

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date(s): October 26, 2009, respectively

4. Application number(s) or patent number(s):

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

OR

☒ This document is being filed after filing of the application:(a) Patent Application No(s). 12/636,619, filed December 11, 2009; or

(b) Patent No(s). , issued .

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

STAAS & HALSEY LLP

Our Docket: 1826.1442Attention: Richard A. Gollhofer

1201 New York Ave., N.W., Suite 700

Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

☐ Enclosed☒ Authorized to be charged to deposit account.8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)Richard A. Gollhofer, Reg. No. 31,106

Name of Person Signing

/Richard A. Gollhofer/

Signature

December 14, 2009

Date

Total number of pages including cover sheet: 2

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))
FUJITSU LIMITED

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

CACHE MEMORY APPARATUS, EXECUTION PROCESSING APPARATUS AND CONTROL METHOD THEREOF

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Hiroiyuki Imai</u> (Signature)	Hiroiyuki IMAI (Type Name)	<u>Oct. 26, 2009</u> (Date)
2) <u>Naohiro Kiyota</u> (Signature)	Naohiro KIYOTA (Type Name)	<u>Oct. 26, 2009</u> (Date)
3) <u>Tsuyoshi Motokurumada</u> (Signature)	Tsuyoshi MOTOKURUMADA (Type Name)	<u>Oct. 26, 2009</u> (Date)
4) _____ (Signature)	_____ (Type Name)	_____ (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)

PATENT

RECORDED: 12/14/2009

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