PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Takahito HIRANO | 01/06/2011 |

RECEIVING PARTY DATA

| Name: | FUJITSU LIMITED | |
|-----------------|--|--|
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| City: | Kawasaki-shi, Kanagawa | |
| State/Country: | JAPAN | |
| Postal Code: | 211-8588 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13012985 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 08-52724 |
|-------------------------|----------|
| | |

NAME OF SUBMITTER: Tiep H. Nguyen

Total Attachments: 1

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CH \$40.00

PATENT REEL: 025733 FRAME: 0482

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 | | | |
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| | 1-1, Kamikodanaka 4-chome, | Nakahara-ku, Kav | vasaki-shi, Kanagav | wa 211-8588 Japan |
| _ | | | | |
| sells entit (Title | e of Invention) | of which is hereby ackr EE the entire and exclu | nowledged, the undersiquesive right, title and inter | gned ASSIGNOR hereby rest to the invention |
| _ | CACHE SYSTEM | | | |
| relat Pate | ting to International Patent Application of the United States was executed the United States was executed the control of the United States was executed the United States which was e | on PCT/JP/ ed on even date herew | and/or for which | application for Letters d, was: |
| (a) | executed on | | sert date of execution on current) | f application, if not |
| (b) | filed on <u>January 25, 2011</u> | | Assignacia efferness is | harabu authariaa d ta |
| | Serial No13/012,985 | | Assignee's attorney is ert in (b) the specified o | |
| cont or te here said mair appl use such takir | to said application and all Letters P tinuation, division, renewal, substituterms for which the said Letters Paterinafter, "said application(s) and Letter Paterinafter, "said application(s) and Letter Paterinafter, "said application(s) and Letter Paterinafter, "said application(s), when required a said acts which the intaining and enforcing protection for lication(s) and the issuance of said a proceeding, and in any litigation or on acts to include but not be limited to any all rightful oaths, providing sworn N WITNESS WHEREOF, the under | te, reissue or reexamir nt(s) may be granted a ters Patent(s)"). uested by said ASSIGI ASSIGNEE may deen said invention, including the Letters Patent(s), in an other legal proceeding we executing all papers, in testimony, and obtain | nation application based and including any extensions. NEE and without charge necessary, desirable on any interference, reissue, which may arise or be dencluding separate assiging and producing evident. | I thereon, for the full term sions thereof (collectively, e to but at the expense of or expedient, for securing, and prosecution of said reexamination, or public eclared in relation to same inments and declarations, ence. |
| | Takahito Hirano | Takahito HIR | | |
| '' – | (Signature) | (Type Name |) | V. 6 , 2 ° / / (Date) |
| 2) | ; - | | | (=) |
| _ | (Signature) | (Туре Name | | (Date) |
| 3) | | | | |
| _ | (Signature) | (Type Name | | (Date) |
| 4) _ | | · | | |
| | (Signature) | (Type Name |) | (Date) |

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PATENT REEL: 025733 FRAME: 0483

RECORDED: 02/02/2011