# 502997772 09/30/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3044371

SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PARTY [	DATA				
			Name	Execution	Date
TAKESHI MIYAMAE				08/20/2014	
RECEIVING PARTY D	ΑΤΑ				
Name:	FUJITS	FUJITSU LIMITED			
Street Address:	1-1, Ka	1-1, Kamikodanaka 4-chome, Nakahara-ku			
City:	Kawas	Kawasaki-shi, Kanagawa			
State/Country:	JAPAN				
Postal Code:	211-85	88			
Property Type	•		Number		
	•	4440			
Property Type Application Number:	•	14488			
		14488			
Application Number: CORRESPONDENCE Fax Number:	DATA	(703)	535-8420		
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i>	DATA be sent to	(703) o the d	8419 535-8420 <b>e-mail address first; if that is unsu</b>		ent
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i>	DATA be sent to f provideo	(703) o the o d; if th	535-8420		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, if	DATA be sent to f provideo	(703) o the o d; if th 703-5	8419 535-8420 e-mail address first; if that is unsu		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, if Phone: Email: Correspondent Name	DATA be sent to f provideo	(703) o the o d; if th 703-5 assig FUJIT	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, it Phone: Email: Correspondent Name: Address Line 1:	DATA be sent to f provideo	(703) <b>5 the o</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>70</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b>	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER MILL ROAD		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, if Phone: Email: Correspondent Name	DATA be sent to f provideo	(703) <b>5 the o</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>70</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b> <b>703-5</b>	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA be sent to f provideo	(703) <b>5 the o</b> <b>7</b> 03-5 assig FUJIT 2318 ALEX	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER MILL ROAD		ent
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will I</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N	DATA be sent to f provideo : IUMBER:	(703) <b>5 the o</b> <b>7</b> 03-5 assig FUJIT 2318 ALEX	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER MILL ROAD (ANDRIA, VIRGINIA 22314		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, it Phone: Email: Correspondent Name: Address Line 1:	DATA be sent to f provideo : IUMBER:	(703) <b>5 the o</b> <b>7</b> 03-5 assig FUJIT 2318 ALEX	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER MILL ROAD (ANDRIA, VIRGINIA 22314 13-02743		ent
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will I</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER	DATA be sent to f provideo : IUMBER:	(703) <b>5 the o</b> <b>7</b> 03-5 assig FUJIT 2318 ALEX	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER MILL ROAD (ANDRIA, VIRGINIA 22314 13-02743 TIEP H NGUYEN		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:	DATA be sent to f provideo : IUMBER:	(703) <b>5 the o</b> <b>7</b> 03-5 assig FUJIT 2318 ALEX	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER MILL ROAD (ANDRIA, VIRGINIA 22314 13-02743 TIEP H NGUYEN /Tiep H Nguyen/		ent
Application Number: CORRESPONDENCE Fax Number: Correspondence will I using a fax number, it Phone: Email: Correspondent Name: Address Line 1: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE: DATE SIGNED:	DATA be sent to f provideo : IUMBER:	(703) o the o d; if th 703-5 assig FUJIT 2318 ALEX	535-8420 e-mail address first; if that is unsu hat is unsuccessful, it will be sent 535-3960 nments@system.foundationip.com TSU PATENT CENTER MILL ROAD (ANDRIA, VIRGINIA 22314 13-02743 TIEP H NGUYEN /Tiep H Nguyen/ 09/30/2014		ent

### Assignment With Declaration for Utility or Design Patent Application (37 C.F.R. 1,63)

特許またはデザイン特許出願用宣言書付き譲渡書

Japanese Language Assignment with Beclaration 日本語宣言書付き譲渡書

#### DECLARATION

#### 宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言 As a below named inventor, I hereby declare that: する:

私は、下記の名称の出顔について、特許請求範囲に記載されて l believe I am the original inventor or an original いる発明の真の発明者であるか、或いは真の共同発明者である joint inventor of a claimed invention in the と信じている:

発明の名称を記入:

Insert Title:

STORAGE SYSTEM

下記の欄がチェックされている場合を除き、ここに添付されて the application of which is attached hereto unless the いる上記出願は、

として出願され、且つ/または 日に

PCT国際出願番号 として出願された。

上記出願は、私が作成したものか、あるいは私がその作成を 認めたものである。

私は、この宣言書において故意に偽りを述べた場合、合衆国法 典第18巻第1001条に基づき、罰金あるいは5年以下の懲役、 または両方の懲罰が課され得ることを認識している。

🗇 was filed on 💦 as United States Application

Number \_\_\_\_\_\_ and/or was filed on

as PCT International Application

Number

following is checked:

The above-identified application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1 / 2

#### ASSIGNMENT 讓渡書

下記の者(以下、譲受人)によって提供され、そしてその適切 FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and 性と受領は下記に署名した発明者(達)(以下、譲渡人)に receipt of which are hereby acknowledged by the よって承認された、適正で価値のある対価をもって、

undersigned inventor(s) (hereinafter ASSIGNOR), from

讓受人名/住所:

Insert Assignee(s)Name/Address:

FUITSU LIMITED 1-1, Ramikodanaka 4-chone, Nakahara-ku, Rawasaki-shi, Ranagawa 211-8588 Japan

下記に署名をした譲渡人は、ここに、上記出願(その基礎と なり得るいかなる仮出願を含む)およびその全期間又は許可 された期間に渡る、上記出願或いはその継続、分割、代替再発 行、再審査、補足審査、当事者系レヴュー、登録後レヴュー、 またはその他の手続によって得られる全ての米国特許の、全て の且つ排他的な権利、権限、利権、もしあるなら過去侵害の 訴権を含む、および合衆国法典第35巻第154条に従う全ての 権利、を譲受人に売却・譲渡・移転する。

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. 154, the above-identified application (including any provisional application upon which it may be based), and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

譲渡人は、上記出願及び/または特許証、およびその継続、 The ASSIGNOR agrees to execute all papers necessary in 分割、代替、再発行、再審査、補足審査、当事者系レヴュー connection with the application and/or Letters Patent 成する事にも同意する。

and any continuation, divisional, substitute, reissue; reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications and/or Letters Patent as the ASSIGNEE may deem necessary or expedient.

譲渡人は、この出願及び/または特許証、およびその継続、 分割、代替、再発行、再審査、補足審査、当事者系レヴュー、 登録後レヴュー、その他の手続に関する、インターフェアラン ス、訴訟、あるいは他の法的な処置に係わる全ての必要な書類 を完成する事に、および証拠の取得や生成およびそのインター フェアレンス、訴訟、あるいはその他の法的処置における手続 において、可能なあらゆる方法で譲受人に協力する事に同意す る。

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding concerning this application and/or Letters Patent and any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, cr other procedures thereof and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

ここに、下記の署名者により、その署名者名の署名の横に記載 された日に署名された:

Hereby executed by the undersigned on the date opposite the signature of the undersigned's name:

発明者の正式な氏名

Legal Name of Inventor: Takeshi Miyanae

発明者の署名

日付

Signature

2 / 2

Date

Aug. 20, 2014

注:本書面に必要な情報やサインは英語右欄のみに記入。日本語左欄は英語原本理解のための参考情報

PATENT REEL: 033847 FRAME: 0995