PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2849902

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Nobuyuki YAMAZOE | 03/27/2014 |
| Kazunori HORIKIRI | 03/27/2014 |
| Yusuke KANO | 03/27/2014 |
| Yuki NAKAMORI | 03/27/2014 |

RECEIVING PARTY DATA

| Name: | FUJI XEROX CO., LTD. | |
|-----------------|---------------------------------|--|
| Street Address: | 7-3, AKASAKA 9-CHOME, MINATO-KU | |
| City: | TOKYO | |
| State/Country: | JAPAN | |

PROPERTY NUMBERS Total: 2

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14274349 |

CORRESPONDENCE DATA

Fax Number: (703)836-2787

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 703-836-6400
Email: email@oliff.com
Correspondent Name: JAMES A. OLIFF

Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

| ATTORNEY DOCKET NUMBER: | 161589 |
|-------------------------|--------------|
| NAME OF SUBMITTER: | SE JIN LEE |
| SIGNATURE: | /se jin lee/ |
| DATE SIGNED: | 05/09/2014 |

Total Attachments: 3

source=161589_Assgn#page1.tif source=161589_Assgn#page2.tif source=161589_Assgn#page3.tif

PATENT 502803306 REEL: 032862 FRAME: 0012

Docket No.: 161589 Only After Sept 16, 2012 Claiming Foreign Priority

ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

特許出願宣言書付き譲渡書(37 CFR 1.63)

Japanese Language Assignment with Declaration

| 下記に署名した発明者であり、以下に譲渡人と称される私 (我々)は、下記の出願に記載された改良に関する発明を し、 | Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and |
|--|--|
| の(議受人)は、本件出額 および本件発明、ならびに当該出額から得られるいかなる米 国特許に関する全ての権利、権原、および利益の取得を要求 します。 | Whereas, <u>PUJI XEROX Co., Ltd.</u> of <u>7-3</u> , <u>Akasaka 9-chome</u> , <u>Minato-ku</u> , <u>Tokyo</u> , <u>Japan</u> , (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor; |
| よって、価値ある対価の受領をここに確認し、 | Now therefore, for valuable consideration, receipt whereof is bereby acknowledged, |
| 上で護渡人として指名された私(我々)は、米国における本件出願およびその発明開示、全ての分割出願および継続出題。これら出願について許可された米国特許証および全ての | I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC 119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee. |
| (公証人による認証は不要であるが、これらの書類は、35 USC 261 に基づく推定された証拠となる) | (Legalization not required for recording but is prima facie evidence of execution under 35 USC 261) |
| 私は、下記に記載の発明者として、以下の通り宣言します。 | As the below named inventor, I hereby declare that: |
| 本宣書付き譲渡書は、以下に関します。 | This assignment with declaration is directed to: |
| □ 添付の出願客、または、 | ☐ The attached application, or |
| □ 年 月 日に出願された米国出願あるいは PCT 国際出願番号 (確認番号) 本件出願の名称は、以下の通りです。 | United States Application or PCT International Application Number filed on |
| | INFORMATION PROCESSING DEVICE, INFORMATION |
| | PROCESSING METHOD, INFORMATION PROCESSING |
| | SYSTEM, AND NON-TRANSITORY COMPUTER- |
| | READABLE MEDIUM |
| | |

[Page 1]

PATENT REEL: 032862 FRAME: 0013

Japanese Language Assignment with Declaration

上記に明示された出願は, 私が作成した。または作成を許可 したものです。

私は、本件出願において請求項に記載された発明の本来の発 例者、または、本来の共同発明者であると信じています。

私は、本質質付き譲渡書の提出に関わる本件出願の内容を検 制し、理解しています。

私は、37 CFR 1.56 に定義されるように、自身が知る全ての 特許性に関する重要な情報を、米国特許商標庁に開示する義 務があることを認識しています。

私は、本宣書付き譲渡器において故意に虚偽の供途を行った 場合、18 USC 1001 に基づき、罰金あるいは 5 年以下の窓 役、または両方による処罰の対象となることを認識していま す。

参加管轄官庁対する出願へのアクセス許可

□ 印を付けた場合、下記の署名者は本書をもって、米 調特許商標庁が、ヨーロッパ特許庁(EPO)、日本特許庁 (JPO)、韓国知的所有権庁(KIPO)、世界知的所有権機 関(WIPO)、および上記の出願に基づく優先権を主張する 外国出願が提出されたその他の知的所有権管轄官庁に、上 記の特許出願へのアクセス権を付与することを許可しま す。37 CPR 1.14(c)および(h)を参照。出願人が、EPO、 JPO、KIPO、または上記の出願に基づく優先権を主張する 外国出願が提出されたその他の知的所有権管轄官庁に対し て、上記の出願へのアクセス権を付与することを希望しな い場合には、この欄には印を付けないでください。

下記の署名者は、37 CFR 1.14(h)(3)に従い、1) 上記の出 腰時の特許出額、2) 35 USC 119(a)~(d)に従って、上記出 騒が優先権を主張するいずれの外国出額、(37 CFR 1.55 の認証謄本の要件を満たす外国出額の写しが上記の特許出 願で提出された場合)、ならびに 3) 上記の特許出 腰に切して、それによる利益を享受するいずれの出額時の米国出 願に関して、出額時の出額書の写しへのアクセス権を付与します。

下記の署名者は、37 CFR 1.14(c)に従い、参加管轄官庁に 対する出願へのアクセス許可の提出日に関する情報へのア クセス権を付与します。 The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

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

Authorization To Permit Access To Application by Participating Office

☐ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

[Page 2]

PATENT

REEL: 032862 FRAME: 0014

| NAME OF SOLE OR FIRST INVENTOR: | | |
|---|--|--|
| 唯一あるいは第一の発明者名 | | |
| Given Name (first and middle [tř any]) 名(名およびミドルネーム[該当する場合]) | Pamily Name or Surname | |
| Nobuyuki | ** YAMAZOE | |
| Inventor's signature 発明者の署名 ハットルタル は Yamazek Residence | Date 目标 3/27/2014 | |
| Residence: 征所: Kanagawa, Japan | 5 | |
| Mailing Address: 郵送先: | | |
| c/o Fuji Xerox Co., Ltd., 1, Minatomirai 6-chome, Ni NAME OF SECOND INVENTOR: | shi-ku, Yokohama-shi, Kanagawa, Japan | |
| 第二の発明者名: | | |
| Given Nume (first and middle [if any]) 名(名およびミドルネーム[鉄当する場合]) Kazumori | Family Name or Surname 姓 HORIKIRI | |
| Inventor's signature 発明者の署名 Kazumori Horikiri | Date Bff 3/27/2014 | |
| Residence. 体所: Kanagawa, Japan | | |
| Mailing Address: 嚴護集: | obi bu Volcabuma eki Karasuma buan | |
| c/o Fuji Xerox Co., Ltd., I, Minatomirai 6-chome, Ni NAME OF THIRD INVENTOR: 第三の発射者名: | ore-ru, 1 orubsure-rus, pringrawa, 38020 | |
| Given Name (first and middle [if any]) 名(名およびミドルネーム[該当する場合]) Yusuke | Family Name or Surname 姓 KANO | |
| Inventor's signature 発明者の署名 Junuko Kano- | Date ^B 针 3/27/2019 | |
| Residence: 住所: Kanagawa, Japan | <i>f</i> | |
| Mailing Address: 郵送先: c/o Fuji Xerox Co., Ltd., 1, Minatomirai 6-chome, Nic | shi-ku, Yokohama-shi, Kanagawa, Jaoan | |
| NAME OF FOURTH INVENTOR: 第四の発送者名: | | |
| Given Name (first and middle [if any]) | Family Name or Surname | |
| 名(名およびミドルネーム[該当する場合]) Yuki | [≸] NAKAMORI | |
| Inventor's signature 発明者の署名 Yuki Nakamari | Date Bff 3/27/2014 | |
| Residence: 住所: Kanagawa, Japan | | |
| Mailing Address: 郵送先: e/o Fuji Xerox Co., Ltd., 1, Minatomirai 6-chome, Ni | dii-ku. Ynkohama-shi. Kanaoawa Jaran | |
| NAME OF FIFTH INVENTOR: | an was vermentaling nonogether, such | |
| 第五の発明者名: | | |
| Given Name (first and middle [if any]) 名(名およびミドルネーム[該当する場合]) | Family Name or Surname | |
| inventor's signature 発明者の署名 | Date B 17 | |
| Residence: 住所: | | |
| Mailing Address: 郵送先: | | |
| | | |
| | | |
| • | | |
| | | |
| | : | |

{Page 3}