502701424 02/28/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2748029

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|-------------------|----------------|--|
| TAKASHI WATANABE | 02/25/2014 | |
| ATSUSHI MATSUMURA | 02/25/2014 | |
| TOMOYA KODAME | 02/25/2014 | |

RECEIVING PARTY DATA

| Name: | KABUSHIKI KAISHA TOSHIBA | |
|-----------------|----------------------------------|--|
| Street Address: | 1-1, SHIBAURA 1-CHOME, MINATO-KU | |
| City: | токуо | |
| State/Country: | JAPAN | |
| Postal Code: | 105-8001 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14193465 |

CORRESPONDENCE DATA

 Fax Number:
 (703)816-4100

 Phone:
 7038164000

 Email:
 cmg@nixonvan.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: NIXON & VANDERHYE PC

Address Line 1: 901 NORTH GLEBE ROAD 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

| ATTORNEY DOCKET NUMBER: | MJS-4851-81 |
|-------------------------|--------------------------|
| NAME OF SUBMITTER: | MICHAEL J. SHEA |
| Signature: | /Michael J. Shea/ |
| Date: | 02/28/2014 PATENT |

502701424 REEL: 032323 FRAME: 0744

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

source=4852_81_EXECUTED_COMBINED_DECLARATION_and_ASSIGNMENT#page1.tif source=4852_81_EXECUTED_COMBINED_DECLARATION_and_ASSIGNMENT#page2.tif

PATENT REEL: 032323 FRAME: 0745 Doc code: Oath Document Description: Oath or declaration filed

| Attorney Docket Number | |
|------------------------|------------------|
| First Named Inventor | Takashi WATANARE |

| INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) | | |
|--|--|--|
| we a minderious for on it inon montes wis us a minderious must we can for on it in the | | |
| Declaration Submitted With Initial Filing | | |
| OR | | |
| Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) | | |
| IMAGE CODING APPARATUS AND IMAGE CODING METHOD | | |
| (Title of the Invention) | | |
| As a below named inventor, I hereby declare that; | | |
| This declaration is directed to: | | |
| ☐ The attached application, | | |
| OR STATE OF THE ST | | |
| United States Application Number or PCT International application number filed on | | |
| The above-identified application was made or authorized to be made by me. | | |
| I believe I am the original inventor or an original joint inventor of a claimed invention in the application. | | |
| 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. | | |
| WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. | | |
| WHEREAS, Kabushiki Kaisha Toshiba (hereinafter ASSIGNEE), a corporation of the State of Japan, having an office and place of business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, is desirous of acquiring an interest therein; | | |
| NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR pereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; | | |
| ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; | | |
| ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and | | |
| ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filling and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. | | |
| AGREED and executed as noted below: | | |
| LEGAL NAME OF SOLE OR FIRST INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname) | | |
| Takashi WATANABE | | |
| Inventor's Signature: Date: | | |
| Takashi Watanabe Feb. 25, 2014 | | |

[×] Additional inventors are being named on the 1 supplemental sheet(s) PTO/AIA/10 attached hereto (Page 1 of 2)

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all Information known to the person to be material to patentability as defined in [37 CFR] § 1.66.

| SUPPLEMENTAL | SHEET | FOR | DECLA | RAT | 1ON |
|---------------|-------|------------|-------|-----|-----|
| AND ASSIGNMEN | T | | | | |

ADDITIONAL INVENTOR(S)

Supplemental Sheet (for PTO/AIA//08/09)

(Page 2 of 2)

| Legal Name of Additional Joint Inventor, if any: | |
|--|---------------|
| (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) | |
| Atsushi MATSUMURA | |
| Inventor's | Date: |
| Signature: Theushi Matsumuru | Feb. 25, 2019 |
| | |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Sumame) | |
| Tomoya KODAMA | |
| inventor's | Date: |
| Signature: Tomorus Codama | E 1 3m 3 |

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56.

PATENT REEL: 032323 FRAME: 0747