#### 02/25/2019 505344472

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5391255

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

#### **CONVEYING PARTY DATA**

| Name             | Execution Date |
|------------------|----------------|
| YOSHIYA YAMAMOTO | 10/06/2018     |
| YUKINOBU YASUGI  | 10/01/2018     |
| TOMOHIRO IKAI    | 10/01/2018     |
| TOMOKO AONO      | 10/01/2018     |

### **RECEIVING PARTY DATA**

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| Street Address: | 1, Takumi-cho, Sakai-ku,  |
| City:           | Sakai City, Osaka   |
| State/Country:  | JAPAN   |
| Name:           | FG Innovation Company Limited   |
| Street Address: | Flat 2623, 26/F Tuen Mun Central Square,22 Hoi Wing Road, Tuen Mun, New Territories |
| City:           | HONG KONG   |
| State/Country:  | CHINA   |

### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16328074 |

#### CORRESPONDENCE DATA

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KYOKO C. MAKINO **Correspondent Name:** 

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| ATTORNEY DOCKET NUMBER: | US76584           |
|-------------------------|-------------------|
| NAME OF SUBMITTER:      | KYOKO C. MAKINO   |
| SIGNATURE:              | /Kyoko C. Makino/ |
| DATE SIGNED:            | 02/25/2019        |

**PATENT** REEL: 048426 FRAME: 0424 505344472

## **Total Attachments: 4**

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PATENT REEL: 048426 FRAME: 0425

Attorney Docket No.:

# COMBINED PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

# 特許出願宣言付き譲渡書(37 CFR 1.63)

| 私は下記に記載の発明者/譲渡人として:   | As a below named INVENTOR/ASSIGNOR of the patent application entitled;  IMAGE DECODING APPARATUS AND IMAGE CODING APPARATUS  |
|---|--|
| 本質習付き譲渡者は以下に関します。   | And which is:  The attached application, or  |
| <ul><li> 添付の出級、または</li><li> 年 月 日に出願された米国出願あるい</li><li>は PCT 国際出願番号</li></ul>   | United States Application or PCT International Application  Number PCT/JP2017/027877 filed on August 1, 2017.  |
| 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<br>たものである事をここに宣言します。  | I declare that:  The above Identified application was made or was authorized to be made by me.   |
| 私は、私が本出願内で請求されている発明の最初の発明者、<br>または最初の共同発明者であると信じます。   | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.   |
| 私は本宣言付き譲渡者の提出に関わる出籍の内容を検討し、<br>理解しています。   | I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.  |
| 私は 37 CFR 1.56 に定義される特許性に肝要な私の知るすべ<br>ての情報について当局に開示する義務があることを認識して<br>います。   | I am aware of the duty to disclose to the Office all information<br>known to me to be material to patentability as defined in<br>37 CFR 1.56.  |
| 本書以降で譲渡人と呼ばれる上記に署名した発明者は、上記<br>で特定される本出額に記載する特定の発明をしているため、<br>また、   | Whereas, the undersigned inventor(s) hereinafter called ASSIGNOR(S), have invented certain inventions described in the application identified above; and   |
| I Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan の Sharp Kabushiki Kaisha および Flat 2623, 26/F Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, HK, China の FG Innovation Company Umited (譲受人) は本出類および本発明に対する全ての権利、権原、および利益、ならびに当該出額および発明に対して得られる米国内、およびすべての外国で交付される特許証の取得を希望しているため、 | Whereas, Sharp Kabushiki Kalsha of 1, Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan, and FG Innovation Company Limited of Flat 2623, 26/F Tuen Mun Central Square, 22 Hol Wing Road, Tuen Mun, New Territories, HK, China, (ASSIGNEE(S)), desires to acquire the entire right, title, and interest in the application and invention, and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries; |
| 譲受人から譲渡人への1ドル(\$1.00)の支払いおよびその他   | In consideration of the payment by ASSIGNEE(S) to ASSIGNOR(S)  |

の有価約因に基づき、その受領をここに確認したうえで

of the sum of One Dollar (\$1.00) and for other valuable consideration, receipt thereof is hereby acknowledged,

譲渡人は、譲受人、その後継者および継承人に対して、すべての分割出願および継続出願を含めて、アメリカ合衆国の本出顧およびそこに開示された発明に対する全ての権利、権原および利益(その後の改正を含む協定の下、又はその他の関係する国際条約および国際協定の下でのすべての権利を含む)、ならびに同出願および発明に対して交付された米国特許証およびその全ての再発行を売却、譲渡および移転します。

譲渡人は、本譲渡書および販売に抵触する譲渡、販売、契約 および債務の成立および締結が行われないことを契約しま す。

譲渡人は、譲受人から依頼があった場合、譲渡人が知り縦覧 できる、当該出額、発明、および特許証にかかわる適切な事 実および資料を譲受人に提供し、譲受人が必要とみなすすべ ての資料に追加の対価を得ることなく署名し、これに関連す るいかなる干砂および訴訟において証言することに同意しま す。

私は本寛曾付き譲渡書において故意になされた一切の虚偽の 陳述が 18 USC 1001 に基づき罰金あるいは5年以下の拘禁ま たは両方による処罰にあたることに同意します。

本宣言付き譲渡署は、対応する英文の譲渡署及び宣言書の正 確な翻訳文です。 ASSIGNOR(S) sell, assign, and transfer to ASSIGNEE(S), 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 all rights under the Paris Convention as amended, or other relevant international Treaties and Arrangements.

ASSIGNOR(S) covenant(s) that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR(S) agree(s), when called upon to do so by the ASSIGNEE(S), to provide ASSIGNEE(S) with all pertinent facts and documents relating to the application, the invention, and the Letters Patent as may be known and accessible to ASSIGNOR(S); to sign without further consideration all papers deemed necessary by the ASSIGNEE(S); and to testify as to the same in any interference or litigation related thereto.

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

The combined declaration/assignment is an accurate translation of the corresponding English language assignment and declaration.

|                   |   | declaration.                    |
|-------------------|---|---------------------------------|
|                   | E OF FIRST INVENTOR/ASSIGNOR<br>者/譲渡人の正式氏名  |                                 |
| Inventor:<br>発明者: | YAMAMOTO, Yoshiya                           | Date:<br>19th: October 6, 20/8. |
| Signature:<br>署名: | Yoshiya Yamamotic                           |                                 |
|                   | E OF SECOND INVENTOR/ASSIGNOR<br>者/譲渡人の正式氏名 |                                 |
| Inventor:         | 4.4   | Date:                           |
| 発明者:              | YASUGI, Yukinobu                            | <b>百付</b> :                     |
| Signature:<br>署名: |   |                                 |
| LEGAL NAM         | E OF THIRD INVENTOR/ASSIGNOR                |                                 |
|                   | 者/譲渡人の正式氏名                                  |                                 |
| Inventor:         |   | Date:                           |
| 発明者:              | IKAI, Tomebiro                              | <b>日付:</b>                      |
| Signature:<br>署名: |   |                                 |
|                   |   | ,                               |
| LEGAL NAMI        | OF FOURTH INVENTOR/ASSIGNOR                 |                                 |
|                   | 者/譲渡人の正式氏名                                  |                                 |
| Inventor:         |   | Date:                           |
| 発明者:              | AONO, Tomeko                                | 日付:                             |
| Signature:<br>署名: |   |                                 |

Page 2 of 2

Attorney Docket No.:

# COMBINED PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

# 特許出願宣言付き譲渡書(37 CFR 1.63)

| 私は下記に記載の発明者/譲渡入として:   | As a below named INVENTOR/ASSIGNOR of the patent application entitled:  |
|---|---|
|   | IMAGE DECODING APPARATUS AND IMAGE CODING APPARATUS   |
| 本宣言付き譲渡書は以下に関します。   | And which is:   |
| □ 添付の出線、または   | The attached application, or  |
| ▼ 月 月 日に出願された米国出願あるい は PCT 国際出願番号   | United States Application or PCT International Application  |
| - 17 A.O. 4 180条约以编 集 A.  | Number PCT/JP2017/027877 filed on August 1, 2017  |
| 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   | I declare that:   |
| たものである事をここに宣言します。   | The above identified application was made or was authorized to be made by me.   |
| 私は、私が本出願内で請求されている発明の最初の発明者、<br>または最初の共同発明者であると信じます。   | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  |
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| 私は37 CFR 1.56 に定義される特許性に肝要な私の知るすべ<br>ての情報について当局に開示する義務があることを認識して<br>います。  | I am aware of the duty to disclose to the Office all information<br>known to me to be material to patentability as defined in<br>37 CFR 1.56.   |
| 本書以降で譲渡人と呼ばれる上記に署名した発明者は、上記<br>で特定される本出願に記載する特定の発明をしているため、<br>また、   | Whereas, the undersigned inventor(s) hereinafter called ASSIGNOR(S), have invented certain inventions described in the application identified above; and  |
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| 譲受人から譲渡人への 1 ドル(31,00)の支払いおよびその他  | In consideration of the payment by ASSIGNEE(S) to ASSIGNOR(S)   |

の有価約関に基づき、その受額をここに確認したうえで

of the sum of One Dollar (\$1.00) and for other valuable consideration, receipt thereof is hereby acknowledged,

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ASSIGNORIS) covenant(s) that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR(S) agree(s), when called upon to do so by the ASSIGNEE(S), to provide ASSIGNEE(S) with all pertinent facts and documents relating to the application, the invention, and the Letters Patent as may be known and accessible to ASSIGNOR(S); to sign without further consideration all papers deemed necessary by the ASSIGNEE(S); and to testify as to the same in any interference or litigation related thereto.

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|  | and the same was a same as          | and a Charle                            |                          |
|--|-------------------------------------|---|--------------------------|
| 第1の発明者/領   | FIRST INVENTOR/ASSIGNOR<br>R渡人の正式氏名 |   |                          |
| Inventor;  | and a new a production of a line    | Destret:                                |                          |
| 発明者:   | YAMAMOTO, Yoshiya                   |   |                          |
| Signature:<br>署名:  |                                     |   |                          |
|  |                                     |   | **************           |
| the state of the s | SECOND INVENTOR/ASSIGNOR            |   | ************************ |
|  | <b>経</b> 後人の正式氏名                    |   |                          |
| Inventor:  |                                     | Date:                                   |                          |
| 発明者:   | YASUGI, Yukinobu                    | 3位: Oot. /, 2s/8                        |                          |
| Signature:<br>署名:  | Yakinda Yongi                       |   |                          |
| 卷心: /  | director of water                   |   | **************           |
| LEGAL NAME OF  | THIRD INVENTOR/ASSIGNOR             |   |                          |
| 第3の発明者/部   | <b>6進人の正式氏名</b>                     |   |                          |
| Inventor:  |                                     | Cate:                                   |                          |
| 张明者:   | IKAI, Tomobiro                      | Date: 日付: Oct. 1 , 20 18                |                          |
| Signature:   | + 1. 60.                            |   | ****                     |
| <b>※</b> 名:  | Jenobiro Ilsai                      | *************************************** |                          |
|  |                                     |   |                          |
|  | FOURTH INVENTOR/ASSIGNOR            |   |                          |
| 第4の発明者/활   | 機人の上式状名                             |   |                          |
| Inventor:  | Location on 1                       | Date                                    |                          |
| 発明者:   | AONO, Tomoko                        | Bit: 0a, 1, 2018                        |                          |
| Signature: 7   | Emoteo Cons                         |   |                          |
| -30 455 J  | EPP NOT FLOW LANGE.                 |   |                          |

Page 2 of 2