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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3694562

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| JEONGWON HAN | 01/07/2016 |
| MYUNGKYU KIM | 01/07/2016 |

RECEIVING PARTY DATA

| Name: | SAMSUNG DISPLAY CO., LTD. |
|-----------------|---------------------------|
| Street Address: | 1, SAMSUNG-RO, GIHEUNG-GU |
| City: | YONGIN-SI, GYEONGGI-DO |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 17113 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14994941 |

CORRESPONDENCE DATA

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-207-0008 Email: eoa@lee-iplaw.com Correspondent Name: LEE & MORSE, P.C.

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| ATTORNEY DOCKET NUMBER: | 302/1557 |
|--|----------------------|
| NAME OF SUBMITTER: | JOHN M. MAKSYMONKO |
| SIGNATURE: | /John M. Maksymonko/ |
| DATE SIGNED: | 01/13/2016 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 4

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PATENT REEL: 037481 FRAME: 0584

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

| | | | | • |
|----------------------|-------------------|---|---|----------------------------|
| The und | dersign on and | ned acknowledges that this document as the declaration (37 CFR 1.63 | ment is being used both) for a Utility or Design | as an assignment of the |
| | | he undersigned, hereinafter refe | | • • |
| Title: | MAS | K TENSION WELDING DEV | /ICE FOR THIN FILE | M DEPOSITION |
| for whice patent. | ch Ass | ignor is about to make or has me | ade United States or Inte | entational application for |
| WHER | EAS, a | s a below named inventor(s), I/(| we) hereby declare that | 2 |
| Section | I. De | claration | | |
| This dec followin | | on is directed to the attached U.S sarked: | S. non-provisional paten | t application, unless the |
| | | U.S. non-provisional patent app | | filed on |
| | | PCT international patent applie | ation number | , filed on |
| The abo | ve-ide | ntified application was made or | authorized to be made l | oy me (us). |
| | | that I am (we are) the original in e above-identified application. | ventor (original joint it | iventors) of a claimed |
| | | acknowledge that any willful fal C. 1001 by fine or imprisonment | | |
| | | hat I have reviewed and underst cluding the claims. | and the contents of the | above identified |
| This for | tu: vala | ures the use of an Application Data Sh | cet. | |
| SDC Ref | f No. | LO2015010911US0 | Attorney Ref No. | 302/1557 |
| CO | MBINE | ED DECLARATION (37 CFR 1.63 |) FOR UTILITY PATEN | T APPLICATION AND |

COMBINED DECLARATION (37 CFR. L.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 1 of 4

LO-201501-091-1-US0_DP-49061-US_Y.P.Lee,Mock&Partners

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I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Power of Attorney: I/we hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark.

Office practitioners associated with Customer Number 27849.

Section II. Assignment

hi consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Display Co., Ltd.

having an address at 1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do 17113, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section 1 of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations. continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said

| SDC Ref No. | LO2015010911US0 | Attorney Ref No. | 302/1557 | |
|-------------|-----------------|------------------|----------|--|

COMBINED DECLARATION (37 CFR 1.63) FOR LITILITY PATENT APPLICATION AND ASSIGNMENT FORM
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invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignce, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or gram patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignce.

The undersigned hereby grant(s) the law firm of LEE & MORSE, PC the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

| LEGAL NAME OF FIRST | Family Name | First Given Name | Second Given Name |
|------------------------|-------------|------------------|--|
| INVENTOR/ASSIGNOR ! | Han | Jeongwon | |
| | | | AMARIA CONTRACTOR OF CONTRACTOR C |
| SIGNATURE | ryhver- | DATE | 1. 9. 2016 |

| SDC Ref No. | LO2015010911US0 | Attorney Ref No. | 302/1557 | |
|-------------|-----------------|------------------|----------|--|

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
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的现在分词 医多种线膜膜炎 化压力 医胃炎 计可能的 计记录器 电压力 电影的 医环状腺素

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| LEGAL NAME OF SECOND INVENTOR/ASSIGNOR | Family Name | First Given Name | Second Given Name | |
|--|-------------|------------------|----------------------|--|
| | Kim | Myungkyu | | |
| SIGNATURE | 73 MJ | DATE | 1,7.2016 | |

| SDC Ref No. | LO2015010911US0 | Attorney Ref No. | 302/1557 | |
|-------------|-----------------|------------------|----------|--|

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克洛德 移和 医维尔特氏 建聚物 自由数据的 医肾上腺 自己自己的形式

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PATENT REEL: 037481 FRAME: 0588