PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6577683

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| JEAHEON AHN | 12/11/2020 |
| SEONGYEON LEE | 12/11/2020 |
| JEONGKI KIM | 12/11/2020 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17189241 |

CORRESPONDENCE DATA

Fax Number:

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.

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Correspondent Name: H.C. PARK & ASSOCIATES, PLC Address Line 1: 1894 PRESTON WHITE DRIVE RESTON, VIRGINIA 20191

| ATTORNEY DOCKET NUMBER: P9335US00 | | |
|-----------------------------------|------------------------------------------------------------|--|
| NAME OF SUBMITTER: | HAE-CHAN PARK | |
| SIGNATURE: | /hae-chan park/ | |
| DATE SIGNED: | 03/02/2021 | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 4

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PATENT 506530907 REEL: 055450 FRAME: 0532

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PATENT REEL: 055450 FRAME: 0533



ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

| | As a below named inventor and Assignor, I declare that: |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | This assignment and declaration are directed to: |
| | The attached application entitled COLOR FILTER UNIT AND DISPLAY APPARATUS HAVING THE SAME having attorney docket number P9335US00 ("Application"), which claims priority from: KR Patent Application No. 10-2020-0076761, filed June 23, 2020. |
| | United States application no. filed on , which claims priority from: KR Patent Application No. 10-2020-0076761, filed June 23, 2020. |
| | United States application no. filed on , which is the national stage entry of , filed on , and which claims priority from: KR Patent Application No. 10-2020-0076761, filed June 23, 2020. |
| | As amended on (if applicable); |
| | The above-identified Application was made or authorized to be made by me. |
| | I believe that I am the original inventor or an original joint inventor of a claimed invention Application. I hereby acknowledge that any willful false statement made in this declaration is nable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or |
| manuf Applica | Whereas, Assignor has invented certain new and useful processes, machines, articles of facture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the ation, |
| in. | Whereas, Assignor desires to convey all rights, titles, and interests in and to the same |
| to: | Samsung Display Co., Ltd. 1, Samsung-ro, Giheung-gu Yongin-si, Gyeonggi-do Republic of Korea |

Samsung Display Co., Ltd. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of

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> > PATENT 0-186081202012105 REEL: 055450 FRAME: 0534

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| | rrevoke all previous powe ent under 37 CFR 3.73(c). | rs of attorney gi | ven in the applicat | ion identified in | the attached |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|
| | rappoint: | | | | |
| X | Practitioners associated with Custo | mer Number: 580 | 27 | | |
| | OR | | | | |
| , ₁ | Practitioner(s) named below (if mor | L e than ten patent ora | ctifioners are to be game | d, then a customer no | them ad fourt radius |
| L | Name | Registration Number | | Varne | Registration Number |
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| | /(s) or agent(s) to represent the und | | | | |
| | patent applications assigned <u>only</u> to othis form in accordance with 37 CF | | ording to the USPTO assig | nment records or assi | gnment documents |
| X | 7 CFR 3.73(c) to: The address associated with Custon OR Firm or individual name | er Number: 580 | 27 | | |
| | Address | | | | |
| | City | | State | Zip | |
| | Country | | | | |
| | Telephone | | Email | | |
| Assignee r | name and address: Samsung D 1, Samsung | splay Co., Ltd. -ro, Giheung-gu, G | ∂yeonggi-do, Yongin- | si, Republic of Kon | ea |
| filed in ea | this form, together with a state ch application in which this for ers appointed in this form, and The individual whose signature | ment under 37 CFF m is used. The state must identify the a SIGNATURE of A | t 3.73(c) (Form PTO/Al ement under 37 CFR 3. pplication in which th assignee of Record | IA/96 or equivalent 73(c) may be comp is Power of Attorne |) is required to be leted by one of the ey is to be filed. |
| Signatur | e classification | L. | Date Ser | otember 26, 20 | r17 |
| Name | Dong-Ho L | ee | Telephone | +82-31-209-3 | 3626 |
| Title | Director of IP P | rosectuion Gro | up, Samsung Di | splay Co., Ltd. | |

This collection of information is required by 37 CFR 1.31, 1.33, and 1.33. The information is required to obtain or rerain a benefit by the public, which is to update [and by the USPTO to process) the file of a patent or remainshing proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any continuous on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Sox 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPUTED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, coll 1-600-FTO-9199 and select option 2.

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Docket No. P9335US00

the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

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

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

| First Inventor's | and Assignor's | Name: | Jeaheon AHN |
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| First Inventor's | and Assignor's | Signature: | Jea Heon Ahn |
| Date: | | | 12. 11. 2020 |

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> PATENT 0-186061202012105 REEL: 055450 FRAME: 0536



Docket No. P9335US00

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| Second Inventor's and Assignor's Signature: | Seong Yeon Lee |
| Date: | 2 11. 2020 |
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| Third Inventor's and Assignor's Signature Date: | Jeong L7 KZM |

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