

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5211948

|                                                                                                                                                                                                 |                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | CORRECTIVE ASSIGNMENT                                                                                                                                                                           |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | Corrective Assignment to correct the ASSIGNEE INFORMATION previously recorded on Reel 047223 Frame 0764. Assignor(s) hereby confirms the ASSIGNMENT SHOULD REFLECT CORRECT ADDRESS OF ASSIGNEE. |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                                                                                                                                                                 |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                                                                                                                                                                           |
| JI TAE KIM                                                                                                                                                                                      | 09/19/2018                                                                                                                                                                                      |
| KYOUNG JU SHIN                                                                                                                                                                                  | 09/19/2018                                                                                                                                                                                      |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                                                                                                                                                                 |
| <b>Name:</b>                                                                                                                                                                                    | SAMSUNG DISPLAY CO., LTD.                                                                                                                                                                       |
| <b>Street Address:</b>                                                                                                                                                                          | 1, SAMSUNG-RO, GIHEUNG-GU                                                                                                                                                                       |
| <b>City:</b>                                                                                                                                                                                    | YONGIN-SI, GYEONGGI-DO                                                                                                                                                                          |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                                                                                                                                                                              |
| <b>Postal Code:</b>                                                                                                                                                                             | 17113                                                                                                                                                                                           |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                                                                                                                                                                 |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                                                                                                                                                                   |
| <b>Application Number:</b>                                                                                                                                                                      | 16155854                                                                                                                                                                                        |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                                                                                                                                                                 |
| <b>Fax Number:</b>                                                                                                                                                                              |                                                                                                                                                                                                 |
| <i>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.</i> |                                                                                                                                                                                                 |
| <b>Email:</b>                                                                                                                                                                                   | ajo@innovationcounsel.com                                                                                                                                                                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | KIEUN SUNG                                                                                                                                                                                      |
| <b>Address Line 1:</b>                                                                                                                                                                          | 2890 ZANKER ROAD                                                                                                                                                                                |
| <b>Address Line 2:</b>                                                                                                                                                                          | SUITE 200                                                                                                                                                                                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | SAN JOSE, CALIFORNIA 95134                                                                                                                                                                      |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | SHIN00150 US                                                                                                                                                                                    |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | KIEUN SUNG                                                                                                                                                                                      |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Kieun Sung/                                                                                                                                                                                    |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 10/30/2018                                                                                                                                                                                      |
| <b>Total Attachments: 6</b>                                                                                                                                                                     |                                                                                                                                                                                                 |
| source=20181029_SHIN00150US_CorrectiveAssignment_EF#page1.tif                                                                                                                                   |                                                                                                                                                                                                 |
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**PATENT**

**REEL: 047906 FRAME: 0418**

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5180384

|                                                                                                                                                                                                 |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                    |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                               |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>         |
| JI TAE KIM                                                                                                                                                                                      | 09/19/2018                    |
| KYOUNG JU SHIN                                                                                                                                                                                  | 09/19/2018                    |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                               |
| <b>Name:</b>                                                                                                                                                                                    | SAMSUNG DISPLAY CO., LTD.     |
| <b>Street Address:</b>                                                                                                                                                                          | 1, SAMSUNG-RO, GIHEUNG-GU     |
| <b>City:</b>                                                                                                                                                                                    | YONGIN-SI, GYEONGGI-DO&#8203; |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF            |
| <b>Postal Code:</b>                                                                                                                                                                             | 17113                         |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                               |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                 |
| <b>Application Number:</b>                                                                                                                                                                      | 16155854                      |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                               |
| <b>Fax Number:</b>                                                                                                                                                                              |                               |
| <i>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.</i> |                               |
| <b>Phone:</b>                                                                                                                                                                                   | (408)331-1670                 |
| <b>Email:</b>                                                                                                                                                                                   | ajo@innovationcounsel.com     |
| <b>Correspondent Name:</b>                                                                                                                                                                      | KIEUN SUNG                    |
| <b>Address Line 1:</b>                                                                                                                                                                          | 2890 ZANKER ROAD              |
| <b>Address Line 2:</b>                                                                                                                                                                          | SUITE 200                     |
| <b>Address Line 4:</b>                                                                                                                                                                          | SAN JOSE, CALIFORNIA 95134    |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | SHIN00150 US                  |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | KIEUN SUNG                    |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Kieun Sung/                  |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 10/09/2018                    |
| This document serves as an Oath/Declaration (37 CFR 1.63).                                                                                                                                      |                               |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                               |
| source=20181009_SHIN00150US_DecAssign_EF#page1.tif                                                                                                                                              |                               |
| source=20181009_SHIN00150US_DecAssign_EF#page2.tif                                                                                                                                              |                               |

COMBINED DECLARATION FOR PATENT APPLICATION  
AND ASSIGNMENT

As a below-named inventors, we:

|                |    |                                                                         |
|----------------|----|-------------------------------------------------------------------------|
| Ji Tae KIM     | of | 1, Samsung-ro, Giheung-gu, Yongin-si,<br>Gyeonggi-do, Republic of Korea |
| Kyoung Ju SHIN | of | 1, Samsung-ro, Giheung-gu, Yongin-si,<br>Gyeonggi-do, Republic of Korea |

believe that we are the original inventors of the subject matter (process, machine, manufacture, composition of matter, or an improvement thereof) that is claimed and for which a patent is sought by way of the application entitled

PIXEL AND ORGANIC LIGHT EMITTING DISPLAY DEVICE INCLUDING  
PIXEL

which X is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_.

The above-identified application was made or authorized to be made by us.

We 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.

FURTHER, for good and valuable consideration, receipt of which is hereby acknowledged, we hereby sell, assign and transfer to Samsung Display Co., Ltd. a corporation, having a place of business at 1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, its successors and assigns, the entire right, title and interest throughout the world in the invention for which a patent is sought by way of the above-identified application, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 19 day of September, 2018.

Signature

Ji Tae KIM ←

Ji Tae KIM

WITNESSED:

Signature

Date

Type or print name of witness

Executed this 19 day of September, 2018.

Signature

Kyoung Ju Shin ←

Kyoung Ju SHIN

WITNESSED:

Signature

Date

Type or print name of witness