504314644 04/10/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4361326

| SUBMISSION TYPE: | | NEW ASSIGNMENT | | | | |
|---|---|----------------|-------------------------------------|--|----------------|--|
| NATURE OF CONVEYANCE: | | ASSIGNMENT | | | | |
| CONVEYING PARTY D | ΑΤΑ | | | | | |
| | | | Name | | Execution Date | |
| DUK SUNG KIM | | | | | 10/27/2016 | |
| SEUNG HYUN PARK | | | | | 10/27/2016 | |
| JUN HO SONG | | | | | 10/27/2016 | |
| SUNG HOON LIM | | | | | 10/27/2016 | |
| RECEIVING PARTY DA | TA | | | | | |
| Name: | SAMS | UNG [| DISPLAY CO., LTD. | | | |
| Street Address: | 1, SAN | ISUN | G-RO, GIHEUNG-GU | | | |
| City: | YONG | IN-SI, | GYEONGGI-DO | | | |
| State/Country: | KORE | A, REI | PUBLIC OF | | | |
| Postal Code: | 17113 | | | | | |
| PROPERTY NUMBERS | Total: 1 | | | | | |
| Property Type Number | | | | | | |
| Application Number:15483 | | | 3749 | | | |
| | | | | | | |
| CORRESPONDENCE D | AIA | (400) | 628 0226 | | | |
| Fax Number:(408)638-0326Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent | | | | | | |
| | | | hat is unsuccessful, it will be sen | | | |
| | | | 31-1670 | | | |
| Email: monique@innovationcounsel.com | | | | | | |
| Correspondent Name: | | | | | | |
| Address Line 1: Address Line 4: | 2880 LAKESIDE DR., SUITE 200 SANTA CLARA, CALIFORNIA 95054 | | | | | |
| , , | | | | | | |
| ATTORNEY DOCKET NUMBER: | | | KASN03546 US | | | |
| NAME OF SUBMITTER: | | | ALEXANDER SHEI | | | |
| SIGNATURE: | | | /Alexander Shei/ | | | |
| DATE SIGNED: | | | 04/10/2017 | | | |
| Total Attachments: 4 | | _ | | | | |
| source=20170410_KASN | | _ | 0 = 10 | | | |
| source=20170410_KASN03546US_DecAssign_EF#page2.tif source=20170410 KASN03546US DecAssign EF#page3.tif | | | | | | |
| | 000400 | | | | | |

PATENT REEL: 041949 FRAME: 0011

DECLARATION FOR PATENT APPLICATION AND ASSIGNMENT

As a below-named inventor, I:

| Duk Sung KIM | of | #204-406, 37, Tangjeongmyeon-ro, Tangjeong-myeon, Asan-si, Chungcheongnam-do, Republic of Korea |
|-----------------|----|---|
| Seung Hyun PARK | of | #1-111, 35, Dobongsan-gil, Dobong-gu, Seoul, Republic of Korea |
| Jun Ho SONG | of | #101-1004, 210, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea |
| Sung Hoon LIM | of | #401-1305, 23, Dongsuwon-ro 145beon-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea |

believe that I am 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

LIQUID CRYSTAL DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF

which

X is attached hereto.

____was filed on ______as Application Serial No.

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

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.

FURTHER, for good and valuable consideration, receipt of which is hereby acknowledged, I hereby sell, assign and transfer to **Samsung Display Co., Ltd.** a corporation, having a place of business at <u>1</u>, <u>Samsung-ro</u>, <u>Giheung-gu</u>, <u>Yongin-si</u>, <u>Gyeonggi-do</u>, <u>Republic</u> <u>of Korea</u>, 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; I authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further

| SDC Ref. LL-201505-139-1-US0 | KASAN Ref. | SMP150247US |
|------------------------------|------------|-------------|

PATENT REEL: 041949 FRAME:400/#20611

authorization from us; I 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 I 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.

| | 2 | | |
|----------|---------------------|------------|--------------------|
| SDC Ref. | LL-201505-139-1-US0 | KASAN Ref. | SMP150247US |
| | | | KASAN IP & Law Fir |

| Executed this | day of | 10 | . 27 | , 2016. | | |
|-----------------------|------------|---------------------------------------|-------------|--------------------------|-----------|----------|
| | | | | Duk | Sung | KIM |
| | | - | | Duk Sung | | |
| WITNESSED: | | | | | | |
| Signature | | | | | | |
| Date | | | <u></u> | | | |
| Type or print name | of witness | | <u></u> | | | |
| Executed this | _ day of | /0 | . 217 Se | , 2016. 24 ng [4:5 | ur Pa | Nk. |
| | | | | Séung Hy | yun' PARK | |
| WITNESSED: | | | | | | |
| Signature | | | | | | |
| Date | · · · · · | · · · · · · · · · · · · · · · · · · · | | | | |
| Type or print name of | of witness | | | | | |
| Executed this | _day of | 10 | -27 | , 2016. <u>Sun ho</u> | Song | <u> </u> |
| WITNESSED: | | | | Jun Ho S | ONG | |
| Signature | : | | | | | |
| Date | | | | | | |
| Type or print name of | of witness | | | | | |
| | | | | | | |
| | | | | | | |
| SDC Ref. | | 05-139-1-USO | 3 | SAN Ref. | CMD1 | 50247US |

| Executed this day of | 10.27 | , 2016. |
|-------------------------------|-------------------------|--------------------|
| | | SungHoonLim |
| | | Sung Hoon LIM |
| WITNESSED: | | |
| Signature | | |
| | | |
| Date | | |
| Type or print name of witness | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| SDC Ref. LL-2015 | 4 05-139-1-US0 KASAI | |
| | | KASAN IP & Law Fir |
| | | PATENT |

₩RECORDED10/4710/2017463/20161107155329

PATENT REEL: 041949 FRAME 0015