505196758 11/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5243527

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|-----------------------|---|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the ADD CO-APPLICANT SAMSUNG DISPLAY CO., LTD./ KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY previously recorded on Reel 045805 Frame 0111. Assignor(s) hereby confirms the SAMSUNG DISPLAY CO., LTD |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| SANGYOUN HAN | 04/30/2018 |
| KYUNGSEOP KIM | 04/30/2018 |
| JUNG-YONG LEE | 04/12/2018 |
| KI-WON SEO | 04/12/2018 |

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 |
| Name as | LODEA ADVANCED INCTITUTE OF COUNING AND TECHNOLOGY |
| Name: | KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY |
| Street Address: | 291, DAEHAK-RO, YUSEONG-GU |
| | |
| Street Address: | 291, DAEHAK-RO, YUSEONG-GU |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 15979747 | |

CORRESPONDENCE DATA

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Address Line 4: SAN JOSE, CALIFORNIA 95134

PATENT REEL: 047600 FRAME: 0522

505196758

| ATTORNEY DOCKET NUMBER: | WETH00094 US |
|--|----------------------------|
| NAME OF SUBMITTER: | KIEUN SUNG, REG. NO. 48639 |
| SIGNATURE: | /Kieun Sung/ |
| DATE SIGNED: | 11/19/2018 |
| Total Attachments: 8 | |
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PATENT REEL: 047600 FRAME: 0523

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4961336

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| SANGYOUN HAN | 04/30/2018 |
| KYUNGSEOP KIM | 04/30/2018 |
| JUNG-YONG LEE | 04/12/2018 |
| KI-WON SEO | 04/12/2018 |

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: | 17133 | |

PROPERTY NUMBERS Total: 1

| *************************************** | Property Type | Number | |
|---|---------------------|----------|--|
| • | Application Number: | 15979747 | |

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|-------------------------|--|
| NAME OF SUBMITTER: | HANBUM CHO |
| SIGNATURE: | /Hanbum Cho/ |
| DATE SIGNED: | 05/15/2018 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 3

PATENT REEL: 047600 FRAME: 0524



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UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 16, 2018

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JENNY SUNG 2890 ZANKER ROAD SUITE 200 SAN JOSE, CA 95134 504914592

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NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: WETH00094 US

ASSIGNOR:

HAN, SANGYOUN DOC DATE: 04/30/2018

ASSIGNOR:

KIM, KYUNGSEOP DOC DATE: 04/30/2018

ASSIGNOR:

LEE, JUNG-YONG DOC DATE: 04/12/2018

ASSIGNOR:

SEO, KI-WON DOC DATE: 04/12/2018

ASSIGNEE:

SAMSUNG DISPLAY CO., LTD.

1, SAMSUNG-RO, GIHEUNG-GU,
YONGIN-SI, GYEONGGI-DO,, KOREA,
REPUBLIC OF 17133

APPLICATION NUMBER: 15979747 FILING DATE: PATENT NUMBER: ISSUE DATE:

TITLE: FLEXIBLE DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME

 ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

PATENT REEL: 047600 FRAME: 0526



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

CONVEYING PARTY DATA

| Name | Execution Date |
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| SANGYOUN HAN | 04/30/2018 |
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| KI-WON SEO | 04/12/2018 |

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: | 17133 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 15979747 | |

PATENT

REEL: 047600 FRAME: 05/27/2018, 9:19 AM

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

Correspondent Name: JENNY SUNG 2890 ZANKER ROAD Address Line 1:

Address Line 2: SUITE 200

Address Line 4: SAN JOSE, CALIFORNIA 95134

| ATTORNEY DOCKET NUMBER: | WETH00094 US |
|----------------------------|--|
| NAME OF SUBMITTER: | HANBUM CHO |
| Signature: | /Hanbum Cho/ |
| Date: | 05/15/2018 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 3

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PATENT

REEL: 047600 FRAME: 05/28/2018, 9:19 AM

Attorney Docket No.: WETH00094 US

DECLARATION FOR PATENT APPLICATION AND ASSIGNMENT

As a below-named inventors, we:

Sangyoun HAN of 102-503, 209, Nonhyeon-ro,

Gangnam-gu, Seoul

(Gyeongnam Apt., Dogok-dong),

06270, Korea

Kyungseop KIM of 107-1003, 35, Byeongjeom 2-ro,

Hwaseong-si, Gyeonggi-do

(Jugong 1-danji Apt., Byeongjeom-dong),

18410, Korea

Jungyong LEE of 291, Daehak-ro, Yuseong-gu, Daejeon

(Guseong-dong), 34141, Korea

Kiwon SEO of 291, Daehak-ro, Yuseong-gu, Daejeon

(Guseong-dong), 34141, 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

FLEXIBLE DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME

| which | <u>V</u> is attached hereto. | |
|-------|------------------------------|---------------------------|
| | was filed on | as Application Serial No. |
| | * | |

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

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 1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Republic of Korea, and KOREA ADVANCED INSTITUTE OF SCIENCE AND

TECHNOLOGY a corporation, having a place of business at 291, Daehak-ro, Yuseong-gu, Daejeon (Guseong-dong), 34141, Republic of Korea, their 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

-Page 1 of 3-(위터피플법률사무소, LO-201702-014-1-US0, FP170023-US)

......

Attorney Docket No.: WETH00094 US

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 abovenamed assignees to apply for patents of foreign countries for said invention, and to claim all rights of priority without further 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 assignees, their 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 assignees, their successors and assigns.

| Executed this 3 | a day of | lpill | , 2018 | 3., |
|-----------------------------|---------------------|-------------------|----------------|------|
| | Inventor Signature_ | Sangyaun | HAN Dun HAN | |
| WITNESSED: | | | | |
| Signature | | | | |
| Date | | | | |
| Type or print name of witm | ESS | | | |
| | | | | |
| Executed this | 30 day of Ap | ~1 | , 20 | 118. |
| | Inventor Signature_ | Kywing sego | KIM | |
| | | Kyung | gseop KIM | |
| WITNESSED: | | | | |
| Signature | | | | |
| Date | | uning pagangang " | | |
| Type or print name of witne | 288 | | | |

Attorney Docket No.: WETH00094 US

(EE-

| Executed this 12 | day of Ap | <u>, 2018.</u> | |
|-----------------------------|--------------------|--|-----------------|
| | Inventor Signature | and the second s | <u>19-Yodla</u> |
| | • | Jung-Yong LEE | |
| WITNESSED: | | | |
| Signature | | | |
| Date | | | |
| Type or print name of witne | \$8 | | |
| | | | |
| | | | |
| Executed this <u>/2</u> | day of Asy / | . 2018. | |
| | S. | Ki- Wan SEO Ki-Won SEO | |
| WITNESSED: | | | |
| Signature | | | |
| Date | | | |
| Type or print name of witne | SS 1 1 | | |

-Page 3 of 3-(위터피풀법률사무소, LO-201702-014-1-US0, FP170023-US)

RECORDED: 11/19/2018

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