506291308 10/06/2020

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| YONG TAE KIM | 09/29/2020 |
| BUKEUN OH | 09/29/2020 |
| GYEONG RYEONG BAK | 09/29/2020 |
| TAEGEUN SEONG | 09/29/2020 |
| SANGKYUN IM | 09/29/2020 |
| SEOL HEE LIM | 09/29/2020 |
| HWANSUNG CHEON | 09/29/2020 |

RECEIVING PARTY DATA

| Name: | SAMSUNG SDI CO., LTD. |
|-----------------|------------------------------|
| Street Address: | 150-20 GONGSE-RO, GIHEUNG-GU |
| City: | YONGIN-SI, GYEONGGI-DO |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 17084 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17064454 |

CORRESPONDENCE DATA

Fax Number: (626)577-8800

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Correspondent Name: LEWIS ROCA ROTHGERBER CHRISTIE LLP

Address Line 1: P.O. BOX 29001

Address Line 4: GLENDALE, CALIFORNIA 91209-9001

| ATTORNEY DOCKET NUMBER: | 195075 JOE/CLM | |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER: | CHRISTINA L. MALINOSKY | |
| SIGNATURE: | /Christina L. Malinosky/ | |
| DATE SIGNED: | 10/06/2020 | |

PATENT REEL: 053991 FRAME: 0202

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Total Attachments: 3

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PATENT REEL: 053991 FRAME: 0203

PATENT INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION COMPOSITION FOR DEPOSITING THIN FILM, MANUFACTURING Title of Invention: METHOD FOR THIN FILM USING THE COMPOSITION, THIN FILM MANUFACTURED FROM THE COMPOSITION, AND SEMICONDUCTOR DEVICE INCLUDING THE THIN FILM Docket No.: 195075 INVENTOR'S DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to the attached application unless the following is checked:

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

United States Application or PCT International Application Number ___

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I 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.

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Yong Tae KIM, Bukeun OH, Gyeong Ryeong BAK, Taegeun SEONG, Sangkyun IM, Seol Hee LIM, and Hwansung CHEON

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) SAMSUNG SDI CO., LTD.

filed on

having a place of business at

(3) 150-20 Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 17084, Republic of Korea

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

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본 정보는 삼성SDI 정보자산 관리책임자의 허가없이 출력,배포,반출을 할 수 없으며, 위규시 관련법령<u>에 의</u>거하여 인사상 물이익을 받을 수 있습니다. REEL: 053991 FRAME: 0204

INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION **Docket No.: 195075** COMPOSITION FOR DEPOSITING THIN FILM, MANUFACTURING METHOD FOR THIN USING THE COMPOSITION, THIN FILM MANUFACTURED FROM COMPOSITION, AND SEMICONDUCTOR DEVICE INCLUDING THE THIN FILM which application executed on even date herewith or was (LEWIS ROCA ROTHGERBER CHRISTIE (a) executed on (5a): LLP, P.O. Box 29001, Glendale, CA 91209-(b) filed on (5b): October 6, 2020 9001) is hereby authorized to insert in (b) the Application No.: <u>17/064,454</u> specified data, when known. including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements. It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee. Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein. Yong Tae KIM Legal Name of Inventor Bukeun OH Legal Name of Inventor Signature

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INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

| Docket No.: 195075 | | |
|---|-----------------------|--|
| Gyeong Ryeong BAK Legal Name of Inventor | Sep. 29. 2020 Date | |
| Ut 727 | | |
| Signature | | |
| Taegeun SEONG | Sep. 29, 2020 Date | |
| Legal Name of Inventor | Date | |
| Signature Z | | |
| Signature | | |
| Sangkyun IM | Sep, 19. 2020 Date | |
| Legal Name of Inventor | Date | |
| Signature Signature | | |
| Signature | | |
| Seol Hee LIM Legal Name of Inventor | Sep. 21. 2020 Date | |
| of Rh 3/ | | |
| Signature | | |
| Hwansung CHEON Legal Name of Inventor | Sep. 20, 2020 Date | |
| Signature | | |

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