

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KABUSHIKI KAISHA KOBE SEIKO SHO	08/09/2022
<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>Patent Number:</b>	9553201
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	PANK03515-1P US
<b>NAME OF SUBMITTER:</b>	KIEUN SUNG-IKEGAMI
<b>SIGNATURE:</b>	/Kieun Sung-Ikegami/
<b>DATE SIGNED:</b>	11/09/2022
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged,

**Kabushiki Kaisha Kobe Seiko Sho** ("Kobe Steel, Ltd.") having a place of business at 2-4 Wakinohama-Kaigandori 2-Chome in Chuo-ku, Kobe-shi, Hyogo, JAPAN 6518585

hereby sells, assigns and transfers to

**Samsung Display Co., Ltd.** ("Assignee") having a place of business at 1, Samsung Ro, Giheung-gu in Yongin-si, Gyeonggi-do, Republic of Korea 17113, its successors and assigns,

the entire worldwide right, title and interest throughout the world in the disclosures in

U.S. Patent No. 8,686,426 (U.S. Application No. 13/555,889)

and

U.S. Patent No. 9,553,201 (U.S. Application No. 14/179,452),

and all patent applications and patents of every country for said disclosures, including divisionals, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications.

Kobe Steel, Ltd. authorizes Assignee to apply for patents of foreign countries for said disclosures, and to claim all rights of priority without further authorization from Kobe Steel, Ltd. Kobe Steel, Ltd. agrees to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid Assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said disclosures in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said disclosures to the Assignee, its successors and assigns.

Executed this 9 day of August, 2022.

Name: Seiji KAMEOKA

Title: General Manager of Intellectual Property Department

Kabushiki Kaisha Kobe Seiko Sho

WITNESSED:

Name: Akashi YAMAGUCHI

Signature: 

Date: September 14, 2022

**DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

**THIN FILM TRANSISTOR HAVING PLURAL SEMICONDUCTIVE OXIDES, THIN FILM TRANSISTOR ARRAY PANEL AND DISPLAY DEVICE INCLUDING THE SAME, AND MANUFACTURING METHOD OF THIN FILM TRANSISTOR**

- which (check)  is attached hereto.  
 and is amended by the Preliminary Amendment attached hereto.  
 was filed on \_\_\_\_\_ as Application Serial No.  
 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
10-2012-0034101	KR	2/April/2012	X	

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)

I hereby appoint the following practitioners to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

**Customer No. 90323**

Please address all correspondence and telephone calls to:

**Customer No. 90323**

**Kieun "Jenny" Sung**  
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I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

**Full Name of Sole or First**

**Inventor:**           AHN, Byung Du                **Citizenship:**           KR          

**Inventor's Signature:**                           **Date:**           June 26, 2012          

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**Residence:** 102-1002, Poongrim I-won Apt., Todang-dong, Deogyang-gu, Goyang-si, Gyeonggi-do, Korea

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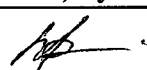
**Full Name of Third Inventor:** KIM, Gun Hee      **Citizenship:** KR

**Inventor's Signature:**       **Date:** June 26, 2012

**Residence:** 969-503, Prun Maeul Sinil Happy Tree Apt., Neung-dong, Hwaseong-si, Gyeonggi-do, Korea

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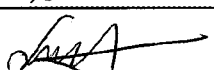
**Full Name of Fourth Inventor:** LEE, Kyoung Won      **Citizenship:** KR

**Inventor's Signature:**       **Date:** June 26, 2012

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**Full Name of Fifth Inventor:** LEE, Je Hun      **Citizenship:** KR

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