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original documents or copy thereof.

M/D 06-17-13

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

- 1) Guang-Hai Jin    2) Dong-Gyu Kim
- 3) Kwan-Wook Jung 4) Moo-Jin Kim

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance

- Assignment                       Merger
- Security Agreement               Change of Name
- Other \_\_\_\_\_

Execution Date: March 12, 2013

2. Name and address of receiving party(ies):

**SAMSUNG DISPLAY CO., LTD.,**  
*a corporation chartered in and existing under the laws of*  
*the Republic of Korea*  
 95, Samsung 2 Ro, Giheung-Gu  
 Yongin-City, Gyeonggi-Do  
 KOREA

Additional name(s) & addresses attached?  Yes  No

4. Application number(s) or Patent number(s):

If this document is being filed together with a new application, the execution of the application is:

**A. Patent Application No(s).**  
**13/828,994**

**B. Patent No(s).**

Additional number(s) attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Robert E. Bushnell**  
 Attorney at Law  
 2029 "K" Street, N.W. Suite 600  
 Washington, D.C. 20006-1004  
 (202) 408-9040

6. Total Number of applications and patents involved: ONE

7. Total fee (37 CFR § 3.41) ..... \$ U.S. \$40.00  
 Enclosed (Check #9776)  
 Authorized to be charged to deposit account

8. Deposit Account Number:

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**ROBERT E. BUSHNELL**

Name of Person Signing

Signature

June 7, 2013

Date

Total number of pages including cover sheet: **FOUR**

OMB No. 0651-0011 (exp. 4/94)

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REB/ko (Attorney's Docket No.: P59915)

**COMBINED ASSIGNMENT AND DECLARATION (One of Three)****ASSIGNMENT**

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:  
IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt and sufficiency of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

**ASSIGNEE:** **SAMSUNG DISPLAY CO., LTD.,**  
a corporation chartered in and existing under the laws of the Republic of Korea,  
**ADDRESS:** 95 Samsung 2 Ro, Giheung-Gu,  
Yongin-City, Gyeonggi-Do, Republic of Korea

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, including all rights to claim priority, and including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement thereof, and all rights to claim priority under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and the right to collect reasonable royalties for pre-grant U.S. patent application publications, in and to the invention entitled:

**TITLE: THIN FILM TRANSISTOR ARRAY PANEL AND METHOD FOR REPAIRING THE SAME**

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:

- executed on even date herewith, or  
 Serial No. 13/828,994 filed in the U.S. Patent & Trademark Office on March 14, 2013, or  
 executed on \_\_\_\_\_

and in and to all United States patents which may be granted thereon and therefor, and in and to all certificates of corrections, divisions, continuations, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said Samsung Display Co., Ltd., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I grant full power of attorney to my Assignee to submit this Deed of Assignment, including any Annex, to the U.S. Patent & Trademark Office, and to request the U.S. Patent & Trademark Office to record this assignment of the legal title to the Assigned Patents from Assignor to Assignees among the Assignment Records maintained by the U.S. Patent & Trademark Office;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

COMBINED ASSIGNMENT AND DECLARATION (Two of Three)

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

As the below named inventor, I hereby declare that this declaration is directed to:

- The attached application, or
United States application or PCT international application number filed on

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

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

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 and to the examination of this application in accordance with Title 37 of the Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, U.S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, or §119(e) of any United States provisional application(s); listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

10-2012-0116738 Republic of Korea 19 October 2012 Priority Claimed: Yes [X] No [ ]

I hereby claim the benefit under Title 35, U.S. Code, §120, of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of Title 35, U.S. Code, §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, The Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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

IN WITNESS WHEREOF, 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.

Inventors are being named on separately numbered sheets attached hereto.

LEGAL NAME OF INVENTOR(s) Date Signed (Optional) Witness(es)
1) Guang Hai Jin (Seal) March 12, 2013
Guang-Hai JIN
2) Dong Gyu Kim (Seal) March 12, 2013
Dong Gyu KIM

**COMBINED ASSIGNMENT AND DECLARATION (Three of Three)**

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

3) KWAN Wook JUNG (Seal)  
Kwan-Wook JUNG

March 12, 2013

\_\_\_\_\_

4) Moo-Jin KIM (Seal)  
Moo-Jin KIM

March 12, 2013

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