

05-18-2001

Form PTO-1595 6/93



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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying parties:

Sahng-Ik JUN

05/11/01

Additional name(s) of conveying party(ies) attached?  yes  no

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

Name: Samsung Electronics Co., Ltd.

Street Address: 416 Maetan-dong, Paldal-ku

City: Suwon-city State: Kyungki-do Zip Code:

Country: Korea

Additional name(s) & address(es) attached?  yes  no

3. Nature of Conveyance:

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

Execution Dates: May 8, 2001

4. Application number:

09/852647

If this document is being filed together with a new application, the execution date of the application is May 8, 2001

A. Patent Application No.

B. Patent No(s).

Additional numbers attached?  yes  no

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

Name: HOWREY SIMON ARNOLD & WHITE, LLP

Internal Address:

Street Address: Box No. 34  
1299 Pennsylvania Ave, NW

City: Washington State DC Zip Code: 20004-2402

6. Total number of applications and patents involved

1

7. Total fee (37 C.F.R. § 3.41).....\$ 40.00

Enclosed

Authorized to be charged to Deposit Account

8. Deposit Account Number: 08-3038

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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.

Michael J. Bell  
Name of Person Signing  
Registration No. 39,604

FOR Signature David J. Jandier (44,483)

May 11, 2001  
Date

Total number of pages including cover sheet, attachments and document 3

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
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J1046 U.S. PTO  
09/852647  
05/11/01

### ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: **Suhng-Ik JUN** the undersigned hereby sell and assign to **Samsung Electronics Co., Ltd.** (the Assignee), his/her entire right, title and interest

check applicable box(es)  for the United States of America (as defined in 35 U.S.C. § 100),  
 and throughout the world,

in the invention(s) known as **THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR A LIQUID CRYSTAL DISPLAY AND METHOD FOR FABRICATING THE SAME**, for which application(s) for patent in the United States of America has (have) been executed by the undersigned on \_\_\_\_\_ (also known as United States Application No. \_\_\_\_\_ filed \_\_\_\_\_), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s)

- Jason C. Abair, Reg. No. 44,007
- Michael J. Bell, Reg. No. 39,604
- John A. Bendrick, Reg. No. 41,612
- Andrew S. Bronc, Reg. No. 45,534
- Celine T. Callahan, Reg. No. 34,301
- Jenny W. Chen, Reg. 44,604
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- Wallace Wu, Reg. No. 45,380
- Matthew S. Zises, Reg. No. 47,246

of HOWREY SIMON ARNOLD & WHITE, LLP, Box No. 34, 1299 Pennsylvania Ave., NW, Washington, DC 20004-2402, power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: 2001.05.18 Signature of Inventor: *Sahng-ik jun*  
Sahng-Ik JUN

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_