

04-16-2002

FORM PTO-1595
1-31-92



102056156

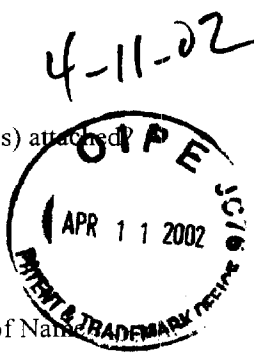
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No.: 6192.0209.AA

ET

Resubm

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

<p>1. Name of conveying party(ies): Yeun-Mo YEON, Kun-Bin LEE</p> <p>Additional names of conveying party(ies) attached: <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: August 31, 2001</p>	<p>2. Name and address of receiving party(ies): Name: Samsung Electronics Co., Ltd.</p> <p>Internal Address:</p> <p>Street Address: 416, Maetan-dong, Paldal-ku City: Suwon-city, Kyunggi-do State or Country: The Republic of KOREA</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
--	---



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

Title: **GRAY VOLTAGE GENERATION CIRCUIT FOR DRIVING A LIQUID CRYSTAL DISPLAY RAPIDLY**

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

A. Patent Application No(s). **09/956,146** filed on **09/20/01**

B. Patent No(s). _____

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Hae-Chan Park, Esq. McGuireWoods LLP 1750 Tysons Boulevard, Suite 1800 McLean, Virginia 22102</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): 40E</p> <p><input type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: 23-1951</p>
---	--

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.

Hae-Chan Park *Hae-Chan Park* April 11, 2002
Name of Person Signing Signature Date

09 28-2001



101859224

COVER SHEET ONLY

9.20.01

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

1. Name of conveying parties:

Yeun-Mo YEON
Kun-Bin LEE

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: **August 31, 2001**

4. Application number:

If this document is being filed together with a new application, the execution date of the application is September 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**

DO NOT USE THIS SPACE

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**

Signature

September 20, 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
Washington, D.C. 20231

09/27/2001 BYRNE 00080162 BELL MICHAEL

40.00 UP

01 FC:581

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: **Yeun-Mo YEON and Kun-Bin LEE** 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 **GRAY VOLTAGE GENERATION CIRCUIT FOR DRIVING A LIQUID CRYSTAL DISPLAY RAPIDLY**, 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. Brenc, Reg. No. 45,534
Celine T. Callahan, Reg. No. 34,301
Jenny W. Chen, Reg. 44,604
Mary S. Consalvi, Reg. No. 32,212
Thomas E. Coverstone, Reg. No. 36,492
Ben M. Davidson, Reg. No. 38,424
Ross E. Davidson, Reg. No. 41,698
James F. Davis, Reg. No. 21,072
Thomas M. Dunham, Reg. No. 39,965
Alan M. Grimaldi, Reg. No. 26,599
J. Jay Guiliano, Reg. No. 41,810
Albert P. Halluin, Reg. No. 25,227
Derek J. Jardieu, Reg. No. 44,483
Christopher L. Kelley, Reg. No. 42,714

Brian S.Y. Kim, Reg. No. 41,114
Viola T. Kung, Reg. No. 41,131
Robert C. Laurensen, Reg. No. 34,206
Joseph P. Lavelle, Reg. No. 31,036
Don F. Livornese, Reg. No. 32,040
Christopher A. Mathews, Reg. No. 35,944
Matthew J. Moore, Reg. No. 42,012
Andrew Y. Piatnicia, Reg. No. 40,772
Glenn W. Rhodes, Reg. No. 31,790
Richard M. San Pietro, Reg. No. 45,071
Charles Bret Seaton, Reg. No. 46,171
Michael J. Stimson, Reg. No. 45,429
Jennifer A. Tipsord, Reg. No. 40,205
William K. West, Reg. No. 22,057
Adam K. Whiting, Reg. No. 44,400
Jayna R. Whitt, Reg. No. 47,175
Karen K. Wong, Reg. No. 44,409
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: 2001.08.31 Signature of Inventor: YEON YEUN-MO
Yeun-Mo YEON

Date: 2001.08.31 Signature of Inventor: Lee Kun-Bin
Kun-Bin LEE