

01-08-2004



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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

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12.23.03

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

1. Name of conveying party(ies): Dong-Ho Lee and Yong-Ho Yang

2. Name and address of receiving party(ies) Name: Samsung Electronics, Co., Ltd.

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

Internal Address:

3. Nature of conveyance: [x] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other

Street Address: 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do, KOREA

City: State Zip:

Execution Date: December 22, 2003

Additional name(s) & address(es) attached? [ ] Yes [x] No

4. Application number(s) or patent number(s) Not Yet Assigned

If this document is being filed together with a new application the execution date of the application is: December 22, 2003

A. Patent Application No.(s) 10745436

B. Patent No.(s)

Additional numbers attached? [ ] Yes [x] No

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

Name: K. Jenny Sung Internal Address: Gray Cary Ware & Freidenrich

Street address: 2000 University Avenue

City: East Palo Alto State: CA Zip: 94303

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00 [x] Enclosed [ ] Authorized to be charged to deposit account

8. Deposit account number: 07-1896

(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.

Kieun "Jenny" Sung Name of Person Signing

48,639 Reg. No.

[Signature]

December 23, 2003 Date

Total number of pages including cover sheet, attachments, and documents: 03

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments P.O. Box 1450, Alexandria, VA 22313-1450

01/05/2004 NBIZUNES 00000051 071896 10745436 01 FC:8021 40.00 OP

Gray Cary\EM\7156902.1 1190860-991250

PATENT REEL: 014850 FRAME: 0667

931088 U.S. PTO 10745436 122303

# ASSIGNMENT

## WHEREAS

I, Hong-Ho Lee, residing at

106-1803 Ssangyong Apt., #553, Bora-ri, Giheung-eup, Yongin-si, Gyeonggi-do,  
Republic of Korea

I, Yong-Ho Yang, residing at

108-1510 Hyundai Apt., Sinrim2-dong, Gwanak-gu, Seoul,  
Republic of Korea

have invented certain new and useful improvements in, **Color Filtering Device For Improved Brightness**, a United States patent for which is filed herewith;  
AND WHEREAS SAMSUNG ELECTRONICS, CO., LTD., hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country of the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. I covenant that I am a lawful owner of the application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the inventions or improvements on any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree, jointly and individually with any co-inventor(s), that I will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED Dong-Ho Lee Date: Dec 22, 2003  
Dong-Ho LEE

EXECUTED Yong Ho Yang Date: Dec. 22, 2003  
Yong-Ho YANG

IN WITNESS WHEREOF:

Witness #1

Witnessed: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_  
(Printed Name)

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness #2

Witnessed: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_  
(Printed Name)

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_