

06-10-1999

FORM PTO-1596
1-31-92

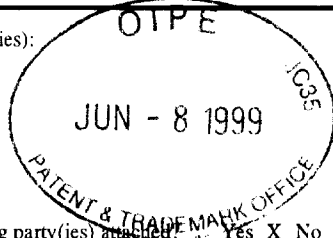
DOCKET NO.: 2729-049

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101060405

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

1. Name of conveying party(ies):

Deuk-il PARK
Jong-seo CHOIAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: April 27, 1999

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

Name: Samsung Display Devices Co., Ltd.

Internal Address: _____

Street Address: 575 Shin-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

City: _____ State/Country: _____ ZIP: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

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

A. Patent Application No(s).
09/174,654

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER

Internal Address: _____

Street Address: 1700 Diagonal Rd., Suite 310

City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

07-1337

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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.*Benjamin J. Hauptman, Reg. No. 29,310
Name and Registration No. of Person Signing

Signature

6/8/99

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

06/09/1999 MTHAI1 00000140 09174654

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40.00 OP

PATENT
REEL: 010001 FRAME: 0918

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Deuk-il PARK
 (2) Jong-seo CHOI
 (3) _____

(4) _____
 (5) _____
 (6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Samsung Display Devices Co., Ltd.
575 Shin-dong, Paldal-gu, Suwon-city,
Kyungki-do, Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") all of their remaining right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

FIELD EMISSION DEVICE AND IMAGE DISPLAY DEVICE USING THE SAME

(a) for which an application for United States Letters Patent was filed on October 19, 1998, and identified by United States Serial No. 09/174,654; or

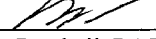
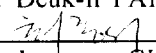
(b) for which an application for United States Letters Patent was executed on ,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

1) 
 Name: Deuk-il PARK
 2) 
 Name: Jong-seo CHOI
 3) _____
 Name: _____
 4) _____
 Name: _____
 5) _____
 Name: _____
 6) _____
 Name: _____

DATE SIGNED

April 27, 1999

April 27, 1999