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FORM PTO-1596  
1-31-92

7-18-03



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: HSI-0001

102510456

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

08306 U.S. PTO  
10/621471

1. Name of conveying party(ies):

Ki Beom KIM, Sang Dae KIM, Yoon Soo HAN,  
Youn Heung TAK, and Seok Joo KIM

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

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

Name: LG Electronics Inc.

Internal Address:

Street Address: 20, Yoido-dong, Youngdungpo-ku

City: Seoul

State/Country: KOREA ZIP:

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

3. Nature of conveyance:

10/621471

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: July 8, 2003

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: July 8, 2003

A. Patent Application No(s):

Filed:

B. Patent No(s)

Additional numbers attached? Yes  No

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

Name: FLESHNER & KIM, LLP

Internal Address:

Street Address: P. O. Box 221200

City: Chantilly State: VA ZIP: 20153-1200

6. Total number of applications and patents involved: 1

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

Enclosed (Check No. 9819)

Authorized to be charged to deposit account

8. Deposit account number:

16-0607

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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.*

Daniel Y.J. Kim, Reg. No. 36,186  
Name and Registration No. of Person Signing

Signature

July 18, 2003  
Date

Total number of pages including cover sheet: 2

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

07/28/2003 DBYRNE 00000151 10621471

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PATENT  
REEL: 014308 FRAME: 0299

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) _____ | <u>KIM, Ki Beom</u>  | (4) _____ | <u>TAK, Yoon Heung</u> |
| (2) _____ | <u>KIM, Sang Dae</u> | (5) _____ | <u>KIM, Seok Joo</u>   |
| (3) _____ | <u>HAN, Yoon Soo</u> | (6) _____ |                        |

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

LG ELECTRONICS INC.

of 20, Yoido-dong, Youngdungpo-ku, Seoul 150-010, Republic of Korea

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

SOURCE FOR THERMAL PHYSICAL VAPOR DEPOSITION OF ORGANIC ELECTROLUMINESCENT LAYERS

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_; 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/or that claim priority thereto and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, 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;

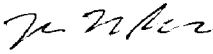
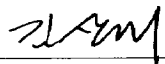
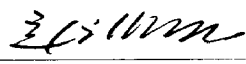
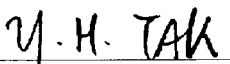
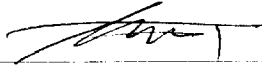
AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, 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.

AND the undersigned hereby grants the firm of FLESHNER & KIM, LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- |   |                     |
|---|---------------------|
| 1) <u></u> | <u>JULY 8, 2003</u> |
| Name: KIM, Ki Beom  |                     |
| 2) <u></u> | <u>JULY 8, 2003</u> |
| Name: KIM, Sang Dae   |                     |
| 3) <u></u> | <u>JULY 8, 2003</u> |
| Name: HAN, Yoon Soo   |                     |
| 4) <u></u> | <u>JULY 8, 2003</u> |
| Name: TAK, Yoon Heung   |                     |
| 5) <u></u> | <u>JULY 8, 2003</u> |
| Name: KIM, Seok Joo   |                     |