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DEPARTMENT OF COMMERCE
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ket No.: 6192.0489.US



102962065

RECORDATION
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
 Dong-Won LEE; March 4, 2005
 Anatoly Veniaminovich VANNIKOV; February 21, 2005
 Oxana Leonidovna GRIBKOVA; February 21, 2005
 Victor Fyodorovich IVANOV; February 21, 2005
 Dmitry Alexandrovich LYPENKO; February 21, 2005
 Eugheny Ivanovich MAL'TSEV February 21, 2005

Execution Date(s) above
 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, Yeongtong-gu
 City: Suwon-si
 State: Gyeonggi-do
 Country: The Republic of KOREA

Name: A.N. Frumkin Institute of Electrochemistry of
Russian Academy of Science
 Street Address: 117071, Leninsky Prospect 31
 City: Moscow
 Country: RUSSIA
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application
 TITLED: **ELECTROLUMINESCENT POLYMER NANOCOMPOSITE MATERIAL, METHOD OF MANUFACTURING THE SAME AND ORGANIC LIGHT EMITTING DISPLAY APPARATUS HAVING THE SAME**

A. Patent Application No.(s) 10/981,566 | B. Patent No.(s) _____
 Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Hae Chan Park
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 State: Virginia Zip: 22102
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 Fax Number: 703.712.5280
 Email Address: hpark@mcguirewoods.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account:
 Any deficiencies in the enclosed fees.
 Enclosed Check
 None required (government interest not affecting title)

8. Payment Information
 a. Credit Card Last 4 Numbers _____
 Expiration Date _____
 b. Deposit Account Number 23-1951
 Authorized User Name _____

9. Signature: [Signature] March 14, 2005
 Signature Date
Hae Chan Park, Reg. No. 50,114 Total number of pages including cover sheet, attachments, and documents: 4
 Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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01 FC:0021 40.00 DP

ASSIGNMENT

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

- U.S. Patent Application No. 10/961,566 for United States Letters Patent entitled **ELECTROLUMINESCENT POLYMER NANOCOMPOSITE MATERIAL, METHOD OF MANUFACTURING THE SAME AND ORGANIC LIGHT EMITTING DISPLAY APPARATUS HAVING THE SAME** ("Application");
- upon which United States Letters Patent, Patent Number _____, has issued ("Patent");

Whereas, Assignor desires to convey all rights, title and interests in and to the same to Samsung Electronics Co., Ltd. with offices located at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, The Republic of KOREA and to A.N. Frumkin Institute of Electrochemistry of Russian Academy of Science with offices located at 117071, Leninsky Prospect 31, Moscow, RUSSIA ("Assignees");

Now, for valuable consideration by Assignees to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignees and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignees all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States, any continuation, division, renewal, or substitute thereof, and hereby grant to Assignees the right to apply in its own name for patents or inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignees will, upon Assignees' request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignees or Assignees' legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the U.S. or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignees thereof shall hereafter require and prepare at Assignees' expense.

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

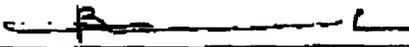
Assignor:

Signature: DONG WON LEE

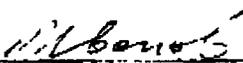
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Date: February 21, 2005

Docket No.: 6192.0489.US

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Signature: _____

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Date: February 21, 2005

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PATENT
REEL: 016364 FRAME: 0525