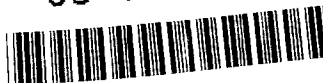




03-18-2005



ARTMENT OF COMMERCE
Patent and Trademark Office
ket No.: 6192.0489.US

RECORDATION

PATENT IS 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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

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

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
Internal Address: McGuireWoods LLP
Street Address: 1750 Tysons Blvd., Suite 1800
City: McLean
State: Virginia Zip: 22102
Phone Number: 703.712.5365
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 _____
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b. Deposit Account Number 23-1951
Authorized User Name _____

9. Signature:

Hae Chan Park, Reg. No. 50,114
Name of Person Signing

March 14, 2005
Date

Total number of pages including cover
sheet, attachments, and documents: 4

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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PATENT
REEL: 016364 FRAME: 0522

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 Prospekt 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

Print Name: Dong-Won LEE

Address: 110-302, Cheonggu Apt., Jeongja-dong, Bundang-gu, Seongnam-si,
Gyeonggi-do, KOREA

Date: March 11, 2005

Assignor:

Signature: 

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Date: February 21, 2005

Assignor:

Signature: 

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Name: Oxana Leonidovna GRIBKOVA

Address: flat 81, cor. 3, ul. Profsoyuznaya, 136, Moscow, 117321, RUSSIA

Date: February 21, 2005

Assignor:

Signature: 

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Name: Victor Fyodorovich IVANOV

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Date: February 21, 2005

Assignor:

Signature: 

Print

Name: Dmitry Alexandrovich LYPENKO

Address: flat 189, 33a, ul. Ostrovityanova, 117342, RUSSIA

Date: February 21, 2005

Docket No.: 6192.0489.US

Assignor

Signature: _____

Print

Name: _____ Eugheny Ivanovich MAL'TSEV _____

Address: _____ flat 48, 29, ul. Rusakovskaya, Moscow, 107113, RUSSIA _____

Date: _____ February 21, 2005 _____

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Page 3 of 3

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