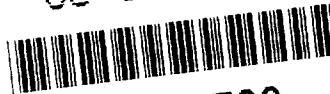


08-05-2002

FORM PTO-1595
(Rev. 6-93)
OMD No. 0651-0011 (exp. 4/94)



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

10/20/2002
07/22/02

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1. Name of conveying party(ies):

Jeong-ik Lee; Hye-yong Chu; Hyo-young Lee;
Ji-young Oh; Seong-hyun Kim; Lee-mi Do;
Tae-hyoung Zyung; Jae-min Lee; Byung-jun Jung;
Hong-ku Shim

Additional name(s) of conveying party(ies) attached?

☒ No ☐ Yes

3. Nature of Conveyance:

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

Execution Date: 7/2/02

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

Name: Electronics and Telecommunications
Research Institute

Internal Address: _____

Street Address: 161 Gajeong-dong Yusong-gu

City: Daejeon State: _____ ZIP: _____

Country: Republic of Korea

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

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

If this document is being filed together with a new application, the execution date of the application is: 7/2/02

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

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

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address: _____

Street Address: 12400 Wilshire Boulevard
7th Floor

City: Los Angeles State: CA ZIP: 90025

6. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41).....\$ 40.00

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08/02/2002 RAHMD1 00000062 10201214

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Date

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Docket No. 2013P043

PATENT
REEL: 013136 FRAME: 0941

ASSIGNMENT

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

(1) <u>Jeong Ik Lee</u>	(6) <u>Lee-Mi Do</u>
(2) <u>Hye Yong Chu</u>	(7) <u>Taehyung Zyung</u>
(3) <u>Hyoyoung Lee</u>	(8) <u>Jaemin Lee</u>
(4) <u>Ji Young Oh</u>	(9) <u>Byung-Jun Jung</u>
(5) <u>Seong Hyun Kim</u>	(10) <u>Hong-Ku Shim</u>

who have made a certain new and useful invention, hereby sell, assign and transfer unto
Electronics and Telecommunications Research Institute of 161 Gajeong-dong
Yusong-gu, Daejon, Rep. of Korea and Korea Advanced Institute of Science and
Technology of 373-1 Gooseong-dong, Yusong-gu, Daejon, Rep. 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

COMPOUNDS CAPABLE OF TRANSPORTING/INJECTING HOLE AND ORGANIC ELECTROLUMINESCENT DEVICE HAVING SELF-ASSEMBLED MONOLAYER COMPRISING THE SAME

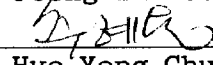
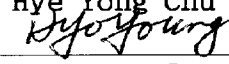
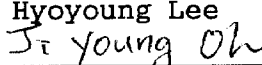
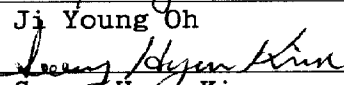
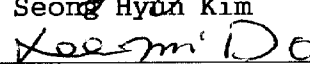
(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____ ;
or

(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 Patent and Trademark issue any and all United States Letters Patents which may be granted therefor and any and all extens divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the Interna Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said applic 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 ma application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remunera in and to any improvements, and applications for patent based thereon, growing out of or related to the invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representat deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED of the dates indicated aside our signatures:

<u>INVENTORS</u>	<u>DATE SIGNED</u>
1) <u></u> Name: <u>Jeong Ik Lee</u>	<u>July 2, 2002</u>
2) <u></u> Name: <u>Hye Yong Chu</u>	<u>July 2, 2002</u>
3) <u></u> Name: <u>Hyoyoung Lee</u>	<u>July 2, 2002</u>
4) <u></u> Name: <u>Ji Young Oh</u>	<u>July 2, 2002</u>
5) <u></u> Name: <u>Seong Hyun Kim</u>	<u>July 2, 2002</u>
6) <u></u> Name: <u>Lee-Mi Do</u>	<u>July 2, 2002</u>

- 7) Taehyoung Zyung
Name: Taehyoung Zyung
- 8) Jaemin Lee
Name: Jaemin Lee
- 9) Byung-Jun Jung
Name: Byung-Jun Jung
- 10) Hong-Ku Shim
Name: Hong-Ku Shim

July 2, 2002

July 2, 2002

July 2, 2002

July 2, 2002