

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sang Su LEE</td> <td>01/02/2008</td> </tr> <tr> <td>Kibong SONG</td> <td>01/02/2008</td> </tr> <tr> <td>Jeong Dae SUH</td> <td>01/02/2008</td> </tr> <tr> <td>Keongam KIM</td> <td>01/02/2008</td> </tr> <tr> <td>Doo-Hee CHO</td> <td>01/02/2008</td> </tr> </tbody> </table>		Name	Execution Date	Sang Su LEE	01/02/2008	Kibong SONG	01/02/2008	Jeong Dae SUH	01/02/2008	Keongam KIM	01/02/2008	Doo-Hee CHO	01/02/2008
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Electronics and Telecommunications Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>161 Gajeong-dong, Yusong-gu</td> </tr> <tr> <td>City:</td> <td>Daejeon-city</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> </table>		Name:	Electronics and Telecommunications Research Institute	Street Address:	161 Gajeong-dong, Yusong-gu	City:	Daejeon-city	State/Country:	REPUBLIC OF KOREA				
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (617)742-4214 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-573-4700</p> <p>Email: ipboston.docketing@nelsonmullins.com</p> <p>Correspondent Name: NELSON MULLINS RILEY & SCARBOROUGH LLP</p> <p>Address Line 1: ONE POST OFFICE SQUARE</p> <p>Address Line 2: Floor 30</p> <p>Address Line 4: BOSTON, MASSACHUSETTS 02109</p>													
ATTORNEY DOCKET NUMBER:	YP7-016DV												
NAME OF SUBMITTER:	EuiHoon Lee												
Total Attachments: 3													

CH \$40.00 12938833

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PATENT
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ASSIGNMENT

We, LEE, Sang Su; SONG, Kibong; SUH, Jeong Dae; KIM, Keongam; CHO, Doo-Hee, in consideration of One Dollar and other valuable consideration paid to us by

Electronics and Telecommunications Research Institute
having its principal place of business at 161 Gajeong-dong, Yusong-gu, Daejeon-city,
Republic of Korea, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer
unto said

Electronics and Telecommunications Research Institute
its successors and assigns, the entire interest for the United States of America and all foreign
countries including all rights of priority under the International Convention for the Protection of
Industrial Property in a certain invention or improvement in

**THIN FILM TRANSISTOR HAVING N-TYPE AND P-TYPE CIS THIN FILMS AND
METHOD OF MANUFACTURING THE SAME**

described in an application

☒ executed by us of even date herewith and about to be filed

☐ Serial No. _____, filed on _____

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and
all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said
application, or any divisional, continuing, reissue or other applications based in whole or in part
thereon. And we agree, for ourselves and our executors and administrators, with said assignee and
its successors and assigns but at its or their expense and charges, hereafter to execute all applications,
amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the
grant of Letters Patent in the United States and in all other countries to said assignee, with
specifications and claims in such form as shall be approved by the counsel of said assignee and to
vest and confirm in said assignee, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the
United States to issue such Letters Patent as shall be granted upon said application or applications
based thereon to said assignee, its successors and assigns.

WITNESS my hand and seal

By: 
(Name) LEE, Sang Su

Date: 1/2/08

Witnesses:

Ock
Witness 1 CHOI, Sung Ock

YJ
Witness 2 YONG, Eun Ju

January 1, 2008
Date

January 1, 2008
Date

WITNESS my hand and seal

By: *Song Kibong*
(Name) SONG, Kibong

Date: 01/02/08

Witnesses:

Ock
Witness 1 CHOI, Sung Ock

YJ
Witness 2 YONG, Eun Ju

January 1, 2008

Date

January 1, 2008

Date

WITNESS my hand and seal

By: *Jeong Dae Suk*
(Name) SEH, Jeong Dae

Date: 01/02/2008

Witnesses:

Ock
Witness 1 CHOI, Sung Ock

YJ
Witness 2 YONG, Eun Ju

January 1, 2008

Date

January 1, 2008

Date

WITNESS my hand and seal

By: *Kim Keongam*
(Name) KIM, Keongam

Date: 01/02/2008

Witnesses:

Ock
Witness 1 CHOI, Sung Ock

YJ
Witness 2 YONG, Eun Ju

January 1, 2008

Date

January 1, 2008

Date

WITNESS my hand and seal

By: Cho Doo Hee
(Name) CHO, Doo-Hee

Date: 01/02/2008

Witnesses:

Ock
Witness 1 CHOI, Sung Ock

Yong
Witness 2 YONG, Eun Ju

January 1, 2008
Date

January 1, 2008
Date

WITNESS my hand and seal

By: _____
(Name)

Date: _____

Witnesses:

Witness 1

Date

Witness 2

Date

WITNESS my hand and seal

By: _____
(Name)

Date: _____

Witnesses:

Witness 1

Date

Witness 2

Date

PATENT