

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Woo Seok CHEONG	08/17/2009
Sung Mook CHUNG	08/17/2009
Min Ki RYU	08/17/2009
Chi Sun HWANG	08/17/2009
Hye Yong CHU	08/17/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
<b>Street Address:</b>	161 Gajeong-dong, Yuseong-gu
<b>City:</b>	Daejeon
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12560702
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<b>ATTORNEY DOCKET NUMBER:</b>	SHI-198
<b>NAME OF SUBMITTER:</b>	Steven M. Rabin
Total Attachments: 2	

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**PATENT  
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**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**

WHEREAS Woo Seok CHEONG, Sung Mook CHUNG, Min Ki RYU, Chi Sun HWANG and Hye Yong CHU, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to THIN FILM TRANSISTOR USING BORON-DOPED OXIDE SEMICONDUCTOR THIN FILM AND METHOD OF FABRICATING THE SAME,

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[x] said application having been filed in the United States Patent and Trademark Office on September 16, 2009, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch, and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No. 12/560,702) the application serial number of said application when known;

AND WHEREAS ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of Daejeon, Republic of Korea, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 17th day of August, 2009.

**WITNESS:**

Signature: 이진연  
Name: Yeon Jin LEE  
Address: Ace Tower 4th Floor, 1-170, Soonhwadong, Chung-gu, Seoul, Republic of Korea

**ASSIGNOR:**

Signature: Woo Seok Cheong  
Name: Woo Seok CHEONG

**WITNESS:**

Signature: 이진연  
Name: Yeon Jin LEE  
Address: Ace Tower 4th Floor, 1-170, Soonhwadong, Chung-gu, Seoul, Republic of Korea

**ASSIGNOR:**

Signature: Sung Mook chung  
Name: Sung Mook CHUNG

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Page 2 of 2

**WITNESS:**

Signature: 이연진

Name: Yeon Jin LEE

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**ASSIGNOR:**

Signature: Min Ki Ryu

Name: Min Ki RYU

**ASSIGNOR:**

Signature: Chi-Sun Hwang

Name: Chi Sun HWANG

**ASSIGNOR:**

Signature: Hye Yong Chu

Name: Hye Yong CHU