

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Min Hyung CHO</td><td>10/16/2007</td></tr><tr><td>Kwi Dong KIM</td><td>10/16/2007</td></tr><tr><td>Chong Ki KWON</td><td>10/16/2007</td></tr></tbody></table>	Name	Execution Date	Min Hyung CHO	10/16/2007	Kwi Dong KIM	10/16/2007	Chong Ki KWON	10/16/2007	
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Min Hyung CHO	10/16/2007								
Kwi Dong KIM	10/16/2007								
Chong Ki KWON	10/16/2007								
RECEIVING PARTY DATA									
Name:	Electronics and Telecommunications Research Institute								
Street Address:	161 Gajeong-dong, Yuseong-gu								
City:	Daejeon								
State/Country:	REPUBLIC OF KOREA								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11943031</td></tr></tbody></table>	Property Type	Number	Application Number:	11943031					
Property Type	Number								
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CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	SHI-117								
NAME OF SUBMITTER:	Steven M. Rabin - 29,102								
Total Attachments: 2 source=SHI-117_ASS#page1.tif source=SHI-117_ASS#page2.tif									

OP \$40.00 11943031

PATENT

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REEL: 020139 FRAME: 0210

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Min Hyung CHO, Kwi Dong KIM and Chong Ki KWON, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to HIGH-SPEED ASYNCHRONOUS DIGITAL SIGNAL LEVEL CONVERSION CIRCUIT,

[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

November 20, 2007, 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. 11/943,031) 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 16th day of October, 2007.

WITNESS:

Signature: 이연진

Name: Yeon Jin LEE

Address: Ace Tower 4th Floor, 1-170, Soonhwa-dong, Chung-gu, Seoul, Republic of Korea

ASSIGNOR:

Signature: 

Name: Min Hyung CHO

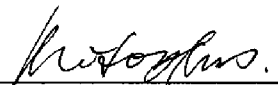
WITNESS:

Signature: 이연진

Name: Yeon Jin LEE

Address: Ace Tower 4th Floor, 1-170, Soonhwa-dong, Chung-gu, Seoul, Republic of Korea

ASSIGNOR:

Signature: 

Name: Kwi Dong KIM

RABIN & BERDO, P.C., Washington, D.C.

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Page 2 of 2

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Signature: 이연진

Name: Yeon Jin LEE

Address: Ace Tower 4th Floor, 1-170, Soonhwa-
dong, Chung-gu, Seoul, Republic of Korea

ASSIGNOR:

Signature: Chong Ki KWON

Name: Chong Ki KWON