

## 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>Kyung Jin BYUN</td> <td>07/25/2012</td> </tr> <tr> <td>Nak Woong EUM</td> <td>07/25/2012</td> </tr> <tr> <td>Hee-Bum JUNG</td> <td>07/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kyung Jin BYUN	07/25/2012	Nak Woong EUM	07/25/2012	Hee-Bum JUNG	07/25/2012
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Kyung Jin BYUN	07/25/2012								
Nak Woong EUM	07/25/2012								
Hee-Bum JUNG	07/25/2012								
RECEIVING PARTY DATA									
Name:	Electronics and Telecommunications Research Institute								
Street Address:	161, Gajeong-dong, Yuseong-gu								
City:	Daejeon								
State/Country:	KOREA, REPUBLIC OF								
Postal Code:	305-700								
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>13564325</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13564325				
Property Type	Number								
Application Number:	13564325								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	AJU 130								
NAME OF SUBMITTER:	Steven M. Rabin								
Total Attachments: 2 source=AJU-130-Asgn#page1.tif source=AJU-130-Asgn#page2.tif									

OP \$40.00 13564325

Attorney reference \_\_\_\_\_

Client Reference: H20111039

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Byun, Kyung Jin, Eun, Nak Woong, Jung, Hee-Bum, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to APPARATUS FOR PROCESSING REGISTER WINDOW OVERFLOW AND UNDERFLOW

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;

said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Allen Wood, Alun L. Palmer, and Phillip G. Avruch of RABIN & BERDO, P.C., 1101 14<sup>th</sup> Street, N.W., Washington, D.C. 20005, to insert here in parentheses (\_\_\_\_\_) the application serial number of said application when known;

said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_ the United States of America being designated.

AND WHEREAS Electronics and Telecommunications Research Institute of 161, Gajeong-dong, Yuseong-gu, Daejeon 305-700, 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.

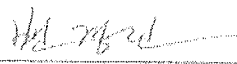
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.


EXECUTED, this 25 day of July, \_\_\_\_\_, 2012.

Attorney Reference \_\_\_\_\_


ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESSES:  
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Signature:   
Name: Eum, Nak Woong

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Seoul 137-860, Republic of Korea

Signature:   
Name: Jung, Hee-Bum