

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>Hong Ju KIM</td><td>10/21/2009</td></tr><tr><td>Hyun Woo CHO</td><td>10/21/2009</td></tr><tr><td>Ji Wook YOUN</td><td>10/21/2009</td></tr><tr><td>Hyun Jae LEE</td><td>10/21/2009</td></tr><tr><td>Bup Joong KIM</td><td>10/21/2009</td></tr><tr><td>Sun Me KIM</td><td>10/21/2009</td></tr><tr><td>Byung Jun AHN</td><td>10/21/2009</td></tr></tbody></table>		Name	Execution Date	Hong Ju KIM	10/21/2009	Hyun Woo CHO	10/21/2009	Ji Wook YOUN	10/21/2009	Hyun Jae LEE	10/21/2009	Bup Joong KIM	10/21/2009	Sun Me KIM	10/21/2009	Byung Jun AHN	10/21/2009
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Postal Code:	305-350																
PROPERTY NUMBERS Total: 1																	
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CORRESPONDENCE DATA																	
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PATENT
REEL: 023589 FRAME: 0175

NAME OF SUBMITTER:

Steven M. Rabin

Total Attachments: 4

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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Hong Ju KIM, residing in, 104-1402 Gangbyeon Apt., Mannyeon-dong, Seo-gu, Daejeon 302-741, Republic of Korea; Hyun Woo CHO, residing in, 103-1703 Songnimmaeul Apt., Hagi-dong, Yuseong-gu, Daejeon 305-759, Republic of Korea; Ji Wook YOUN, residing in, 103-406 Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-729, Republic of Korea; Hyun Jae LEE, residing in, 107-404 Cheonggu Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-729, Republic of Korea; Bup Joong KIM, residing in, 910-1003 Gubongmaeul Apt., Gwanjeo-dong, Seo-gu, Daejeon 302-243, Republic of Korea; Sun Me KIM, residing in, 709-1201 Gubongmaeul Apt., Gwanjeo-dong, Seo-gu, Daejeon 302-243, Republic of Korea and Byung Jun AHN, residing in, 807-1501 Yeolmaemaoul 8 danji Apt., Noeun-dong, Yuseong-gu, Daejeon 305-768, Republic of Korea, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

PACKET-OPTICAL INTEGRATED SWITCH WITHOUT OPTICAL TRANSPONDER

[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;
[] 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., 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. _____) the application serial number of said application when known;



AND WHEREAS ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of the Republic of Korea, having a place of business at 161 Gajeong-dong, Yuseong-gu, Daejeon 305-350, 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;


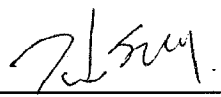
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors 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 21th day of October, 2009.

WITNESSES:Signature: Name: GIL, Jin YoungAddress: 13th Floor, Seocho-Pyunghwa Building,
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1451-34 Seocho-dong, Seocho-gu, Seoul 137-070,Republic of KoreaSignature: Name: LEE, Ji AAddress: 13th Floor, Seocho-Pyunghwa Building,
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Name: AHN, Byung Jun