

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3173898

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GEUN YONG KIM	09/29/2014
SUNG CHANG KIM	09/29/2014
HARK YOO	09/29/2014
HEE DO KIM	09/29/2014
DONG SOO LEE	09/29/2014
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	305-700
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14591945
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	202-371-8976
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<b>ATTORNEY DOCKET NUMBER:</b>	SIN-198
<b>NAME OF SUBMITTER:</b>	STEVEN M. RABIN
<b>SIGNATURE:</b>	/Steven M. Rabin/
<b>DATE SIGNED:</b>	01/08/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	

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

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

WHEREAS KIM, GEUN YONG, KIM, SUNG CHANG, YOO, HARK, KIM, HEE DO, LEE, DONG SOO  
hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating  
to

FAST PROTECTION SWITCHING METHOD FOR PASSIVE OPTICAL NETWORK

said application being attached hereto;  
 said application having been filed in the United States Patent and Trademark Office on  
\_\_\_\_\_, as Application Serial No. \_\_\_\_\_, and was amended  
on \_\_\_\_\_ (if applicable);  
 the specification of which was filed under the Patent Cooperation Treaty on \_\_\_\_\_,  
Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of 218  
Gajeong-ro, Yuseong-gu, Daejeon-si, 305-700 Republic of Korea, hereinafter referred to as the assignee or  
applicant, 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.

As an above-named inventor, I hereby declare that the above-identified application was made or  
authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention  
in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18  
U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to Rabin & Berdo, P.C., 1101 14<sup>th</sup> Street, N.W., Suite  
500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

**WITNESS:**  
Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**ASSIGNOR (SOLE OR FIRST INVENTOR):**  
Signature:   
Legal Name: KIM, GEUN YONG  
Date: Sept. 29, 2014

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

ASSIGNOR (SECOND INVENTOR):

Signature: Sungchang Kim  
Legal Name: KIM, SUNG CHANG  
Date: Sept. 29, 2014

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

ASSIGNOR (SECOND INVENTOR):

Signature: Yoo Hark  
Legal Name: YOO, HARK  
Date: Sept. 29, 2014

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

ASSIGNOR (SECOND INVENTOR):

Signature: Kim Hee Do  
Legal Name: KIM, HEE DO  
Date: Sept. 29, 2014

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

ASSIGNOR (SECOND INVENTOR):

Signature: Dong Soo Lee  
Legal Name: LEE, DONG SOO  
Date: Sept. 29, 2014

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