502486990 09/09/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kwang Ryong OH	07/24/2013

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

Property Type Number	
Application Number:	14020928

CORRESPONDENCE DATA

Fax Number: 2024080924

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-371-8976

Email: firm@rabinberdo.com

Correspondent Name: Rabin & Berdo, P.C.

Address Line 1: 1101 14th St., N.W., Suite 500

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	KOR-443
NAME OF SUBMITTER:	Steven M. Rabin
Signature:	/Steven M. Rabin/
Date:	09/09/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

source=KOR-443-Combined-Asgn-Dec#page1.tif source=KOR-443-Combined-Asgn-Dec#page2.tif

PATENT REEL: 031160 FRAME: 0929 **340.00 1402092**

Attorney Reference: Client Reference: IP20121783

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS OH, Kwang Ryong of Republic of Korea hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

RESONATOR, VARIABLE WAVELENGTH OPTICAL FILTER, AND VARIABLE WAVELENGTH LASER DIODE

[X] 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 <u>Electronics and Telecommunications Research Institute of 161, Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea.</u> 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 assigner, the receipt of which is hereby acknowledged, said assigner 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 14th Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

Continued -Page 2 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:	ASSIGNOR (THE FIRST INVENTOR):
Signature:	Signature:
Name:	Legal Name: OH, Kwang Ryong
Address:	Date: <u>07. 24. 2013</u>
	

PATENT REEL: 031160 FRAME: 0931

RECORDED: 09/09/2013