

## PATENT ASSIGNMENT

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 Stylesheet Version v1.1

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>Ki-Hong YOON</td> <td>03/14/2013</td> </tr> <tr> <td>O-Kyun KWON</td> <td>03/14/2013</td> </tr> <tr> <td>Kisoo KIM</td> <td>03/14/2013</td> </tr> <tr> <td>Byungseok CHOI</td> <td>03/14/2013</td> </tr> <tr> <td>Hyun Soo KIM</td> <td>03/14/2013</td> </tr> <tr> <td>Su Hwan OH</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ki-Hong YOON	03/14/2013	O-Kyun KWON	03/14/2013	Kisoo KIM	03/14/2013	Byungseok CHOI	03/14/2013	Hyun Soo KIM	03/14/2013	Su Hwan OH	03/14/2013
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<table border="1"> <tr> <td>Name:</td> <td>Electronics and Telecommunications Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>161, Gajeong-dong, Yuseong-gu</td> </tr> <tr> <td>City:</td> <td>Daejeon</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>305-700</td> </tr> </table>		Name:	Electronics and Telecommunications Research Institute	Street Address:	161, Gajeong-dong, Yuseong-gu	City:	Daejeon	State/Country:	KOREA, REPUBLIC OF	Postal Code:	305-700				
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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>13848247</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13848247										
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CORRESPONDENCE DATA															
Fax Number: 2024080924 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> 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:	HANB-134														
NAME OF SUBMITTER:	Robert H. Berdo, Jr.														

OP \$40.00 13848247

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 3**

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

Client Reference: IP20120539/FPE120215-US (LBE)

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

WHEREAS Yoon, Ki-Hong; KWON, O-Kyun; KIM, Kisoo; Choi, byungseok; KIM, Hyun Soo; and OH, Su Hwan hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to COMPACT EXTERNAL CAVITY TUNABLE LASER APPARATUS

☒ 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 161, Galeong-dong, Yuseong-gu, Daejeon 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.

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

WITNESS:

Signature: 

Name: Yoon-Hee CHO

Address: 15F, Gusegun Bldg. 7 Chungjeong-ro  
Seodaemun-gu, Seoul 120-013, Republic of Korea

ASSIGNOR (SOLE OR FIRST INVENTOR):

Signature: 

Legal Name: Yoon, Ki-Hong

Date: 14, Mar. 2013

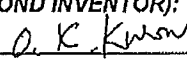
WITNESS:

Signature: 

Name: Yoon-Hee CHO

Address: 15F, Gusegun Bldg. 7 Chungjeong-ro  
Seodaemun-gu, Seoul 120-013, Republic of Korea


ASSIGNOR (SECOND INVENTOR):

Signature: 

Legal Name: KWON, O-Kyun

Date: 14, Mar. 2013

WITNESS:

Signature: 

Name: Yoon-Hee CHO

Address: 15F, Gusegun Bldg. 7 Chungjeong-ro  
Seodaemun-gu, Seoul 120-013, Republic of Korea

ASSIGNOR (THIRD INVENTOR):

Signature: 

Legal Name: KIM, Kisoo

Date: 14 March 2013


WITNESS:

Signature: 

Name: Yoon-Hee CHO

Address: 15F, Gusegun Bldg. 7 Chungjeong-ro  
Seodaemun-gu, Seoul 120-013, Republic of Korea


ASSIGNOR (FORTH INVENTOR):

Signature: 

Legal Name: Choi, byungseok

Date: Mar. 14, 2013

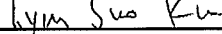
WITNESS:

Signature: 

Name: Yoon-Hee CHO

Address: 15F, Gusegun Bldg. 7 Chungjeong-ro  
Seodaemun-gu, Seoul 120-013, Republic of Korea

ASSIGNOR (FIFTH INVENTOR):

Signature: 

Legal Name: KIM, Hyun Soo

Date: Mar. 14, 2013

Continued -Page 2  
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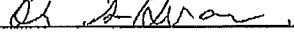
Signature: 

Name: Yoon-Hee CHO

Address: 15F. Gusegun Bldg, 7 Chungjeong-ro

Seodaemun-gu, Seoul 120-013, Republic of Korea

**ASSIGNOR (SIXTH INVENTOR):**

Signature: 

Legal Name: OH, Su Hwan

Date: 14 Mar. 2013