PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2887693

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIN TAE KIM	04/03/2014
YOUNG JUN YU	04/03/2014
HONG KYW CHOI	04/03/2014
CHOON GI CHOI	04/03/2014

RECEIVING PARTY DATA

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
Street Address:	218 GAJEONG-RO, YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	305-700

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14297946

CORRESPONDENCE DATA

Fax Number: (202)408-0924

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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, D.C. 20005

ATTORNEY DOCKET NUMBER:	SHI-246	
NAME OF SUBMITTER:	ROBERT H. BERDO, JR.	
SIGNATURE:	/Robert H. Berdo, Jr./	
DATE SIGNED:	06/06/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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PATENT 502841097 REEL: 033047 FRAME: 0077

Attorney F	Reference:	***************************************
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ETRI's Reference: IP20131131

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Jin Tac KIM, Young Jun YU, Hong Kyw CHOL and Choon Gi CHOL, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

collectively as the assignor and inventor, has invented a certain improvement relating to		
<u>OPTICAL DETECTOR</u> ,		
[O] 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		
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 Daejeon.</u> 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 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 including any		
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 th Street, N.W., Sulte 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.		

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Signature: A H o	ASSIGNOR (SOLE OR FIRST INVENTOR): Signature:
Name: Seon A Kang	Legal Name: Jin Tae KIM
Address: 8th Floor, State Tower Namsan, 100	Date: Apr. 3, 20/4
Toegye-ro, Jung-gu, Seoui 100-052, Korea	,
WITNESS: Signature:	ASSIGNOR (SECOND INVENTOR): Signature:
WITNESS: Signature: Name: Seon A Kang Address: 8 ^{In} Floor, State Tower Namsan, 100 Toegye-ro, Jung-gu, Seoul 100-052, Korea	ASSIGNOR (THIRD INVENTOR): Signature: 1/2 Legal Name: Hong Kyw CHOI Date: 2, 2, 14
WiTNESS: Signature:	ASSIGNOR (FOURTH INVENTOR) Signature: Legal Name: Choon Gi CHO Date: 2 April 20/4

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

RECORDED: 06/06/2014

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