## 501943020 06/04/2012

### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### CONVEYING PARTY DATA

Name	Execution Date
Hyun Soo KIM	05/21/2012
Jong Sool JEONG	05/21/2012
Mi-Ran PARK	05/21/2012
Byungseok CHOI	05/21/2012
O-Kyun KWON	05/21/2012

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## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13487807

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NAME OF SUBMITTER: Robert H. Berdo, Jr.

Total Attachments: 3

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> PATENT REEL: 028312 FRAME: 0396

OP \$40.00 13487807

501943020

Attorney reference
Client Reference: IP20111389/ FPE120092-US

# ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Kim, Hyun Soo; Jeong, Jong Sool; Mi-Ran Park; Choi, byungseok and Kwon, O-Kyun hereinafter referred to collectively as the assignor, has invented a certain improvement relating to OPTICAL WAVEGUIDE PLATFORM WITH HYBRID-INTEGRATED OPTICAL TRANSMISSION DEVICE AND OPTICAL ACTIVE DEVICE AND METHOD OF MANUFACTURING THE SAME

DEVICE AND OPTICAL ACTIVE DEVICE AND METHOD OF MANOFACTORING THE SAME
[x ] the inventor's declaration for said application being executed concurrently or prior to 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., Allen Wood, Alun L. Palmer, and Phillip G. Avruch of RABIN & BERDO, P.C., 1101 14 <sup>th</sup> Street, N.W., Washington, D.C. 20005, to insert here in parentheses () the
application serial number of said application when known;
[ ] said application having been filed under the Patent Cooperation Treaty on, Serial No the United States of America being designated.
AND WHEREAS    Deleon 305-700   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 assigns 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 enewals, 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 assigner 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 prolongatio
No.
EXECUTED, this 21th day of May

PATENT REEL: 028312 FRAME: 0397

Attorney	Reference	h
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# ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

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## ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

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PATENT REEL: 028312 FRAME: 0399