

## PATENT ASSIGNMENT

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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>Hwan Seok CHUNG</td> <td>07/11/2012</td> </tr> <tr> <td>Sun Hyok CHANG</td> <td>07/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hwan Seok CHUNG	07/11/2012	Sun Hyok CHANG	07/11/2012				
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RECEIVING PARTY DATA											
<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>13609908</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13609908						
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Application Number:	13609908										
CORRESPONDENCE DATA											
<p>Fax Number: 6177424214</p> <p>Phone: 617-573-4700</p> <p>Email: ipboston.docketing@nelsonmullins.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: NELSON MULLINS RILEY &amp; SCARBOROUGH LLP F</p> <p>Address Line 1: ONE POST OFFICE SQUARE</p> <p>Address Line 4: BOSTON, MASSACHUSETTS 02109</p>											
ATTORNEY DOCKET NUMBER:	WO7-041										
NAME OF SUBMITTER:	EuiHoon Lee										
<p>Total Attachments: 2</p> <p>source=wo7041_assign#page1.tif</p> <p>source=wo7041_assign#page2.tif</p>											

CH \$40.00 13609908

IP20111077 (OP12-0165-US)

**ASSIGNMENT**

I/We, Hwan Seok CHUNG and Sun Hyok CHANG, all residents of Daejeon of Republic of Korea, in consideration of One Dollar and other valuable consideration paid to me/us by

**Electronics and Telecommunications Research Institute**

having its principal place of business at **161, Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea**, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**Electronics and Telecommunications Research Institute**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**MULTICARRIER BASED OPTICAL SIGNAL TRANSMITTING APPARATUS AND OPTICAL SIGNAL RECEIVING APPARATUS**

described in an application

☒ executed by me/us of even date herewith and about to be filed

or

☐ serial No. \_\_\_\_\_, filed on \_\_\_\_\_

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon.

And I/we agree, for myself/ourselves and my/our executor(s) and administrator(s), with said assignee and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said assignee, with specifications and claims in such form as shall be approved by the counsel of said assignee and to vest and confirm in said assignee, its successors and assigns, the legal title to all such patents.

And I/we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said assignee, its successors and assigns.

And I/we do further hereby grant the attorneys/agents of **Nelson Mullins Riley and Scarborough LLP**, One Post Office Square, Boston, Massachusetts 02109, the power to insert on this Assignment the filing date and/or application number of said application.

IP20111077 (OP12-0165-US)

By: Hwan Seok Chung  
Hwan Seok CHUNGDate: July 11, 2012Witness: Jeong  
(Name) HAN, Jeong-HeeJuly 11, 2012  
DateBy: Sun Hyok Chang  
Sun Hyok CHANGDate: July 11, 2012Witness: Jeong  
(Name) HAN, Jeong-HeeJuly 11, 2012  
Date