

## 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>Mr. Peter Jung</td> <td>05/15/2012</td> </tr> <tr> <td>Mr. Guido Bruck</td> <td>05/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mr. Peter Jung	05/15/2012	Mr. Guido Bruck	05/11/2012
Name	Execution Date						
Mr. Peter Jung	05/15/2012						
Mr. Guido Bruck	05/11/2012						
RECEIVING PARTY DATA							
Name:	UNIVERSITAET DUISBURG-ESSEN						
Street Address:	Universitaetsstrasse 2						
City:	Essen						
State/Country:	GERMANY						
Postal Code:	45141						
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>13423340</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13423340		
Property Type	Number						
Application Number:	13423340						
CORRESPONDENCE DATA							
Fax Number:	(000)000-0000						
Phone:	+49 2102 168928-0						
Email:	mail@thot-patent.de						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Patent Law Offices of Dr. Norman B. Thot						
Address Line 1:	P.O. Box 10 17 56						
Address Line 4:	Ratingen, GERMANY 40837						
ATTORNEY DOCKET NUMBER:	ZIM/DUIS 1201-A US-PAT						
NAME OF SUBMITTER:	Norman B. Thot						
Total Attachments: 2 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif							

CH \$40.00 13423340

**ASSIGNMENT**

I, Peter Jung, a citizen of Germany, residing at Im Rabental 28, 67697 Otterberg; GERMANY; and

I, Guido Bruck, a citizen of Germany, residing at Poststr. 87, 46562 Voerde; GERMANY;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

**UNIVERSITAET DUISBURG-ESSEN**

a University organized under the laws of Germany, located at Universitaetsstr. 2, 45141 Essen, GERMANY (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, in and for the United States of America only in and to my Invention entitled:

**TRANSMITTER AND RECEIVER FOR TRANSCEIVING OPTICAL SIGNALS**

invented by me and described in United States Application No. 13/423,340 filed on March 19, 2012 with the United States Patent and Trademark Office as a Continuation of PCT/EP2009/006735, filed on September 17, 2009 in the PCT, including but not limited to the right to claim priority, and all patents, divisions, reissues, continuations, continuations-in-part and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

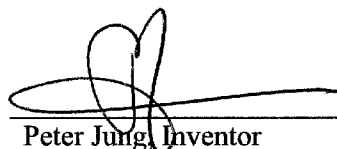
And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: 11.5.2012

Dated: 11.5.2012

  
Peter Jung, Inventor

  
Guido Bruck, Inventor