04/01/2015



Form PTO-1595 (Rev. 03-09) No. 0851-0027 (exp. 03/31/2009)

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Name of conveying party(ies) Yuichi WAKAKI	2. Name and address of receiving party(ies) Name: <u>Hitachi Metals, Ltd.</u> Internal Address:	
Nature of conveying party(les) attached? Yes No Nature of conveyance/Execution Date(s): Execution Date(s) 1) 04/28/13; 2) 05/20/13. Assignment Merger Security Agreement Change of Name	Street Address: 2-1, Shibaura 1-chome Minato-ku City: Tokyo	
Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other	State: Country: Japan Zip: Additional name(s) & address(as) attached? Yes X No	
A. Patent Application No.(s) 13/959,582	s document is being filed together with a new application. B. Patent No.(s)	
5. Name and address to whom correspondence concerning document should be mailed: Name: Sean M. McGinn, Esq. Internal Address: 34,386 McGinn Intellectual Property Law Group, PLLC Street Address: 8321 Old Courthouse Road		
Suite 200 City: Vienna State: Virginia Zip: 22182-3817 Phone Number: (703) 761-4100 Fax Number: (703) 761-2375 or 76 Email Address: ADMIN@MCGINNIPLAW.COM 9. Signature: Signature	8. Payment information Deposit Account Number 50-0481 (deticiencies only) Authorized User Name Sean M. McGinn 84/18/28/19/94/18/19/94/18/19/19/19/19/19/19/19/19/19/19/19/19/19/	
Sean M. McGinn, Esq	Total number of pages including cover sheet, attachments, and documents:	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P. O. Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 035386 FRAME: 0056

13959582

Combined Declaration of Inventorship and Assignment of Application for Patent

As a below-named inventor, I hereby declare that:	
As a below-name inventor, if the Application I believe that I am the original inventor or an original joint inventor, of the claimed invention in the Application	
entified:	
COMMUNICATION SYSTEM AND OPTICAL TRANSMISSION DEVICE	
the specification of which (check one): is attached hereto was filed as U. S. Application No. or PCT International Application No. on	
The Application was made or was authorized to be made by me. I hereby acknowledge that any wirth halo 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 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 the View of the declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both the View of the declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both the View of the declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both the View of the declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both the View of the declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both the View of the	
The below-named inventor (hereinafter referred to as ASSIGNOR) having invented and owning a certain and new and used invention which is the subject of the Application, and	
Hitachi Metals, Ltd. (Full Name of Assignee)	
2-1. Shibaura 1-chome Minato-ku, Tokyo, Japan (Address of Assignee)	
(hereinafter referred to as ASSIGNEE), being desirous of acquiring the entire right, title, and interest in, to and under the invention which is the subject of the Application and the United States Letters Patent to be obtained therefor.	
NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment of ASSIGNI to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuate consideration, ASSIGNOR, by these presents, hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said Application or an continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.	
ASSIGNOR hereby authorizes and requests Sean M. McGinn of McGinn Intellectual Property Law Group, PLLC, 8321 Old Courthouse Road, Suite 200, Vienna, Virginia, U.S.A. 22182-3817 to insert here in parentheses (Application No. 13/959.582, filed August 5, 2013) the filing date and Application number of said Application when/if known.	
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States Patent obtained therefor on said Application or any continuation, division, renewal, substitute or reissue there under the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patentonian therefor on said Application or any continuation, division, renewal, substitute or reissue thereof for may be granted obtained therefor on said Application or any continuation, division, renewal, substitute or reissue thereof for may be granted obtained therefor on said Application or any continuation, division, renewal, substitute or reissue thereof for may be granted obtained therefor on said Application or any continuation, division, renewal, substitute or reissue thereof for may be granted obtained therefor on said Application or any continuation, division, renewal, substitute or reissue thereof for may be granted obtained therefor on said Application or any continuation, division, renewal, substitute or reissue thereof for may be granted obtained therefor on said Application or any continuation.	
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered int	
which would conflict with this Assignment and sale;	

Combined Declaration of Inventorship and Assignment of Application for Patent (Prige 1 of 2)

PATENT REEL: 035386 FRAME: 0057 ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to any and all papers, instruments or affidavits required to apply for, obtain, maintain and ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Logal Name of Inventor Yuichi WAKAKI Inventor's Signature Yuichi Wakaku	
Legal Name of Additional Inventor, If Any Hitoshi OGIHARA Inventor's Signature Hitoshi OGIHARA	Date
Legal Name of Additional Inventor, If Any Inventor's Signature	Date
Legal Name of Additional Inventor, If Any Inventor's Signature	Date
Legal Name of Additional Inventor, If Any Inventor's Signature	Datc
Legal Name of Additional Inventor, If Any	Date

·Combined Declaration of Inventorship and Assignment of Application for Patent (Page 2 of 2)

PATENT REEL: 035386 FRAME: 0058