Mail Stop: Assignment Recordation Director of the U.S. Pate and Trademark Offi P.O. Box 1450	nt PATENI	
Alexandria, VA 2231	3-1450	Attorney Docket No. <u>151107</u>
Please record the attach Total number of pages	ed document. including cover sheet, attachments, and doct	ument: 2
	veying party: WATANABE amc(s) of conveying party(ies) attached?	 A. Name and address of receiving partics: 1. DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD. 7-6, NIHONBASHI-BAKUROCHO
 A. Nature of co Assignment Security Age 	Merger	1-CHOME, CHUO-KU, TOKYO 103-8383, JAPAN
 Security Agreem Other B. Execution Date: 	Pate: January 30, 2012	2. INTER ENERGY CO., LTD. 2-18-13, ASAHI-CHO, KAWASAKI-KU, KAWASAKI-SHI, KANAGAWA 210-0808, JAPAN
		3. NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 3-1, KASUMIGASEKI 1-CHOME, CHIYODA-KU, TOKYO 100-8921, JAPAN
	,	B. Additional name(s) & address(es) attached? □Yes No
4. A. Pateni App C. Title of Ap	plication: OPTICAL PATH SWITC	B. Patent No.(s) attached? ☐ Yes 🖾 No CHING SIGNAL TRANSMISSION/RECEPTION RESPONDING METHOD
5. Name and addre	ss of party to whom correspondence unent should be mailed:	6. Total number of applications and patents involved: $\underline{1}$
Name: <u>James</u> Address:	A. Oliff OLIFF & BERRIDGE, PLC	 Please charge Deposit Account No. 15-0461 th total fee (37 CFR 3.41) in the amount of \$40.00.
p p	P.O. Box 320850 Alexandria, VA 22320-4850 hone Number: 703-836-6400 Fax Number: 703-836-2787	 Credit any overpayment or charge any underpayment to deposit account number 15-0461.
9. Statement and To the best of	signature. ny knowledge and belief, the foregoing info	ormation is true and correct and any attached copy is a true copy of th
original docum	ient.	Date: February 9, 2012
Daniel L. Ceri	Registration No. 27,075 oni, Registration No. 65,242	PATENT
9927		REEL: 027692 FRAME: 0130

PCT/JP2010/056961

For Non-U.S. Clients

Assignment

Whereas, I/We, Hirobumi WATANABE

hereinafter called assignor(s), have invented certain improvements in

OPTICAL PATH SWITCHING SIGNAL TRANSMISSION/RECEPTION APPARATUS AND CORRESPONDING METHOD

and executed an application for Letters Patent of the United States of America therefor on January 30, 2012 ; and

Whereas, 1) DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD. of

7-6, Nihonbashi-Bakurocho 1-chome, Chuo-ku, Tokyo 103-8383, Japan,

2) Inter Energy Co., Ltd. of

2-18-13, Asahi-cho, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-0808, Japan,

3) NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND

TECHNOLOGY of

3-1, Kasunigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 Japan,

(assignee(s)), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, and all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee(s) in connection with the United States application when called upon to do so by the assignee(s).

I/We hereby authorize and request our attorneys OLIFF & BERRIDGE, PLC of 277 South Washington Street, Suite 500 Viewandria, Virginia 22314 to insert here in parentheses (Application number <u>13/264,654</u> 11/21/2011) the filing date and application number of said application when known.

Date:	January	30,	2012	H. Watanale

s/ Hirobumi WATANABE

(Legalization not required for recording but is prima facic evidence of execution under 35 U.S.C. §261) 8/92

PATENT REEL: 027692 FRAME: 0131

RECORDED: 02/09/2012