

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Shin Kamei</td><td>01/07/2011</td></tr> <tr><td>Tsutomu Kitoh</td><td>01/07/2011</td></tr> <tr><td>Masaki Kohtoku</td><td>01/07/2011</td></tr> <tr><td>Tomohiro Shibata</td><td>01/07/2011</td></tr> <tr><td>Takuya Tanaka</td><td>01/07/2011</td></tr> <tr><td>Yasuyuki Inoue</td><td>01/07/2011</td></tr> <tr><td>Mikitaka Itoh</td><td>01/07/2011</td></tr> </tbody> </table>		Name	Execution Date	Shin Kamei	01/07/2011	Tsutomu Kitoh	01/07/2011	Masaki Kohtoku	01/07/2011	Tomohiro Shibata	01/07/2011	Takuya Tanaka	01/07/2011	Yasuyuki Inoue	01/07/2011	Mikitaka Itoh	01/07/2011
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Mikitaka Itoh	01/07/2011																
RECEIVING PARTY DATA																	
Name:	Nippon Telegraph and Telephone Corporation																
Street Address:	3-1, Otemachi 2-chome, Chiyoda-ku																
City:	Tokyo																
State/Country:	JAPAN																
Postal Code:	1008116																
PROPERTY NUMBERS Total: 1																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13054158</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13054158												
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CORRESPONDENCE DATA																	
Fax Number:	(801)328-1707																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	801.533.9800																
Email:	dtangren@wnlaw.com																
Correspondent Name:	DANA L. TANGREN																
Address Line 1:	60 East South Temple																
Address Line 2:	1000 Eagle Gate Tower																
Address Line 4:	Salt Lake City, UTAH 84111																
ATTORNEY DOCKET NUMBER:	14321.135																

OP \$40.00 13054158

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PATENT
REEL: 025767 FRAME: 0936

NAME OF SUBMITTER:

Dana L. Tangren

Total Attachments: 3

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WHEN RECORDED RETURN TO:

Workman Nydegger
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

PATENT APPLICATION

Docket No:

14321.125

Form P4

ASSIGNMENT

We the under signed, hereinafter collectively referred to as "Assignor", are the inventors of an invention entitled

OPTICAL WAVELENGTH MULTIPLEXING AND DEMULTIPLEXING
CIRCUIT

Preferred embodiments of said invention are disclosed in a United States patent application which:

- is executed concurrently herewith for filing in the United States Patent and Trademark Office.
- was previously filed in the United States Patent and Trademark Office on *1/14/2011*
Application Serial No. *13/054,158*
- is a United States National Application of PCT International Application No. PCT/JP2009/062010, filed June 30, 2010.

The Assignees, NIPPON TELEGRAPH AND TELEPHONE CORPORATION, having a principal place of business at 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo 1008116 Japan desire to secure the entire right, title and interest in said invention.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title, and interest in the above identified United States patent application and in all divisions, continuations and continuations in part of said application, or reissues or extensions of letters patent or patents granted thereon, and in all patents issuing thereon in the United States and foreign countries.

The right to claim the benefits of any prior related United States or foreign patent applications.

Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks, to issue any and all patents on said application to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration, to sign all lawful papers and to perform all other lawful acts which the Assignee may request Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States applications and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said application.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Full name of sole or first inventor

Shin KAMEI
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature Shin Kamei
Date January 7, 2011 Country of Citizenship Japan
Address Atsugi-shi, Kanagawa-ken, Japan

Full name of second inventor, if any

Tsutomu KITOH
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature Tsutomu Kitoh
Date January 7, 2011 Country of Citizenship Japan
Address Atsugi-shi, Kanagawa-ken, Japan

Full name of third inventor, if any

Masaki
(GIVEN NAME) (MIDDLE INITIAL OR NAME) KOHTOKU
(FAMILY (OR LAST NAME))
Inventor's signature Masaki Kohtoku
Date January 7, 2011 Country of Citizenship Japan
Address Atsugi-shi, Kanagawa-ken, Japan

Full name of fourth inventor, if any

Tomohiro
(GIVEN NAME) (MIDDLE INITIAL OR NAME) SHIBATA
(FAMILY (OR LAST NAME))
Inventor's signature Tomohiro Shibata
Date January 7, 2011 Country of Citizenship Japan
Address Atsugi-shi, Kanagawa-ken, Japan

Full name of fifth inventor, if any

Takuya
(GIVEN NAME) (MIDDLE INITIAL OR NAME) TANAKA
(FAMILY (OR LAST NAME))
Inventor's signature Takuya Tanaka
Date January 7, 2011 Country of Citizenship Japan
Address Atsugi-shi, Kanagawa-ken, Japan

Full name of sixth inventor, if any

Yasuyuki
(GIVEN NAME) (MIDDLE INITIAL OR NAME) INOUE
(FAMILY (OR LAST NAME))
Inventor's signature Yasuyuki Inoue
Date January 7, 2011 Country of Citizenship Japan
Address Atsugi-shi, Kanagawa-ken, Japan

Full name of seventh inventor, if any

Mikitaka
(GIVEN NAME) (MIDDLE INITIAL OR NAME) ITOH
(FAMILY (OR LAST NAME))
Inventor's signature Mikitaka Itoh
Date January 7, 2011 Country of Citizenship Japan
Address Atsugi-shi, Kanagawa-ken, Japan