

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>Tsutomu Kitoh</td> <td>06/16/2011</td> </tr> <tr> <td>Shin Kamei</td> <td>06/16/2011</td> </tr> <tr> <td>Toshikazu Hashimoto</td> <td>06/16/2011</td> </tr> <tr> <td>Yohei Sakamaki</td> <td>06/16/2011</td> </tr> <tr> <td>Hiroshi Takahashi</td> <td>06/16/2011</td> </tr> <tr> <td>Manabu Oguma</td> <td>06/16/2011</td> </tr> </tbody> </table>		Name	Execution Date	Tsutomu Kitoh	06/16/2011	Shin Kamei	06/16/2011	Toshikazu Hashimoto	06/16/2011	Yohei Sakamaki	06/16/2011	Hiroshi Takahashi	06/16/2011	Manabu Oguma	06/16/2011
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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"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13143161</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13143161										
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Application Number:	13143161														
CORRESPONDENCE DATA															
Fax Number:	(801)328-1707														
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OP \$40.00 13143161

NAME OF SUBMITTER:

Dana L. Tangren

Total Attachments: 3

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WHEN RECORDED RETURN TO:

PATENT APPLICATION

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

Docket No:

14321.140

Form P4

ASSIGNMENT

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

OPTICAL WAVELENGTH MULTIPLEXING/DEMULTIPLEXING CIRCUIT,
OPTICAL MODULE USING OPTICAL WAVELENGTH
MULTIPLEXING/DEMULTIPLEXING CIRCUIT, AND COMMUNICATION
SYSTEM

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 7/1/2011 Application Serial No. 13/143,161
- is a United States National Application of PCT International Application No. PCT/JP2010/000082, filed January 8, 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.

