

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4245894

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKANORI ISHIKAWA	05/14/2012
TOMOYO SHIBAZAKI	05/14/2012
MITSURU NAGANO	05/14/2012
MASAHIRO YANAGISAWA	05/14/2012
HIROSHI TERUI	05/14/2012
MIKITAKA ITOH	05/15/2012
RECEIVING PARTY DATA	
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State/Country:	JAPAN
Postal Code:	2210031
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State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15416853
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PATENT	

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Address Line 4:	SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	14321.156.1.1
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NAME OF SUBMITTER:	CARL T REED
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SIGNATURE:	/Carl T. Reed/
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DATE SIGNED:	01/27/2017
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Total Attachments: 6

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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:

14321.156

Form P4

A S S I G N M E N T

We the under signed, hereinafter collectively referred to as "Assignor", are the inventors of an invention entitled OPTICAL WAVEGUIDE DEVICE AND MODULE. 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 _____, Application Serial No. _____.
- ☒ is a United States National Application of PCT International Application No. PCT/JP2010/006913, filed November 26, 2010.

The Assignees, (1) NTT ELECTRONICS CORPORATION, having a principal place of business at 1-32, Shin-urashimacho 1-chome, Kanagawa-ku, Yokohama-shi, Kanagawa 2210031 Japan, and (2) 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 behalf 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

<u>Takanori</u> (GIVEN NAME)	<u></u> (MIDDLE INITIAL OR NAME)	<u>ISHIKAWA</u> FAMILY (OR LAST NAME)
Inventor's signature <u>Takanori Ishikawa</u>		
Date <u>May 14, 2012</u>	Country of Citizenship <u>Japan</u>	
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Full name of second inventor, if any

<u>Tomoyo</u> (GIVEN NAME)	<u></u> (MIDDLE INITIAL OR NAME)	<u>SHIBAZAKI</u> FAMILY (OR LAST NAME)
Inventor's signature <u>Tomoyo Shibazaki</u>		
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Full name of third inventor, if any

Mitsuru		NAGANO
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Inventor's signature Mitsuru Nagano

Date May 14, 2012 Country of Citizenship Japan

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Full name of fourth inventor, if any

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Full name of fifth inventor, if any

Hiroshi		TERUI
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Inventor's signature Hiroshi Terui

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Full name of sixth inventor, if any

Mikitaka		ITO
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Inventor's signature _____

Date _____ Country of Citizenship Japan

Address Atsugi-shi, Kanagawa-ken, Japan

WHEN RECORDED RETURN TO:

PATENT APPLICATION

Docket No:

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

Form P4

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

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

Full name of sole or first inventor

<u>Takanori</u>	<u></u>	<u>ISHIKAWA</u>
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Full name of fifth inventor, if any

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