# DP \$40.00 13213328

### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Itaru ISHIDA	08/16/2011
Shoji TANIGAWA	08/16/2011
Shoichiro MATSUO	08/16/2011
Toshio KURASHIMA	08/16/2011
Kazuhide NAKAJIMA	08/16/2011
Tomoya SHIMIZU	08/16/2011
Takashi MATSUI	08/16/2011
Yukihiro GOTO	08/16/2011

### **RECEIVING PARTY DATA**

Name:	FUJIKURA LTD
Street Address:	5-1, Kiba 1-chome
City:	Koto-ku, Tokyo
State/Country:	JAPAN

Name:	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	
Street Address:	3-1, Otemachi 2-chome	
City:	Chiyoda-ku, Tokyo	
State/Country:	JAPAN	

### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13213328	

### **CORRESPONDENCE DATA**

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PATENT REEL: 026778 FRAME: 0256

501632066

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NAME OF SUBMITTER: Yukiko Williams/New Apps Specialist

Total Attachments: 4

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# **ASSIGNMENT**

Whereas, I/we, (1)Itaru ISHIDA, (2)Shoji TANIGAWA, (3)Shoichiro MATSUO, (4)Toshio KURASHIMA, (5)Kazuhide NAKAJIMA, (6)Tomoya SHIMIZU, (7) Takashi MATSUI and (8)Yukihiro GOTO, of (1)to(3) c/o Fujikura Ltd., Sakura Works, 1440, Mutsuzaki, Sakura-shi, Chiba-ken, Japan., (4)to(8) c/o NTT Intellectual Property Center, 9-11, Midori-cho 3-chome, Musashino-shi, Tokyo, Japan, hereinafter called assignor(s), have invented certain improvements in

MEASURING METHOD OF HOLE DIAMETER, HOLE POSITION, HOLE SURFACE ROUGHNESS, OR BENDING LOSS OF HOLEY OPTICAL FIBER, MANUFACTURING METHOD OF HOLEY OPTICAL FIBER, AND TEST METHOD OF OPTICAL LINE OF HOLEY OPTICAL FIBER

and executed an application for Letters Patent of the United States of America therefor on

August 16, 2011; and

Whereas, (1) Fujikura Ltd. of 5-1, Kiba 1-chome, Koto-ku, Tokyo, Japan. (assignee), (2) NIPPON TELEGRAPH AND TELEPHONE CORPORATION of 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign 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, 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 countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director — U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number 13/213,328, filed August 19, 2011) the filing date and application number of said application when known.

Date:	August 16, 2011	s ttaru Ishida
	ingue e e , me m	Itaru ISHIDA
Date:	August 16, 2011	s/ Shoji Tanigawa Shoji TANIGAWA
Date:	August 16, 2011	s/ Shoechiro Matsuo Shoichiro MATSUO
Date:		s/

Toshio KURASHIMA

フター 38269 V5 章 ディン Kazuhide NAKAJIMA Tomoya SHIMIZU

Takashi MATSUI

Yukihiro GOTO

Date:

Date:

Date:

Date:

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

# ASSIGNMENT

Whereas, I/we, (1)Itaru ISHIDA, (2)Shoji TANIGAWA, (3)Shoichiro MATSUO, (4)Toshio KURASHIMA, (5)Kazuhide NAKAJIMA, (6)Tomoya SHIMIZU, (7) Takashi MATSUI and (8)Yukihiro GOTO, of (1)to(3) c/o Fujikura Ltd., Sakura Works, 1440, Mutsuzaki, Sakura-shi, Chiba-ken, Japan., (4)to(8) c/o NTT Intellectual Property Center, 9-11, Midori-cho 3-chome, Musashino-shi, Tokyo, Japan, hereinafter called assignor(s), have invented certain improvements in

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and executed an application for Letters Patent of the United States of America therefor on

August 16

2011; and

Whereas, (1) Fujikura Ltd. of 5-1, Kiba 1-chome, Koto-ku, Tokyo, Japan. (assignee), (2) NIPPON TELEGRAPH AND TELEPHONE CORPORATION of 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign 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, 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 countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

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Date:	s/	
		Itaru ISHID.
Date:	8/	
		Shoji TANIGAW.
Date:	s/	
		Shoichiro MATSU(
Date: August 16, 2011	s Toshio b	Curashina

Toshio KURASHIMA

NT 4182 05p-38267 US 集 2

Date: August 16, 2011 s/ Kazahide Vakajima

Kazuhide NAKAJIMA
s/ Tomorja Shinizu

August 16, 2011 Date:

Tomoya SHIMIZU

Date: August 16, 2011

Date:

August 16, 2011

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

**PATENT REEL: 026778 FRAME: 0261** 

**RECORDED: 08/19/2011**