504241207 02/23/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KATSUNORI IMAMURA	01/26/2017
TOMOHIRO GONDA	01/31/2017
RYUICHI SUGIZAKI	02/01/2017
TAIJI SAKAMOTO	02/14/2017
TAKAYOSHI MORI	02/14/2017
MASAKI WADA	02/14/2017
TAKASHI YAMAMOTO	02/14/2017
FUMIHIKO YAMAMOTO	02/14/2017

RECEIVING PARTY DATA

Name:	FURUKAWA ELECTRIC CO., LTD.
Street Address:	2-3, Marunouchi 2-chome, Chiyoda-ku
City:	Tokyo
State/Country:	Japan
Postal Code:	100-8322
Name:	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
Name: Street Address:	NIPPON TELEGRAPH AND TELEPHONE CORPORATION 5-1, OTEMACHI 1-CHOME
Street Address:	5-1, OTEMACHI 1-CHOME

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15440228

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (703) 413-3000

Email: mguerrero@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

REEL: 041356 FRAME: 0291

PATENT

504241207

Address Line 4: A	ALEXANDRIA, VIRGINIA 22314	
ATTORNEY DOCKET NUMBER:	501417US	
NAME OF SUBMITTER:	MELANIE GUERRERO	
SIGNATURE:	/Melanie Guerrero/	
DATE SIGNED:	02/23/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 16	•	

source=501417USAssignment#page1.tif source=501417USAssignment#page2.tif source=501417USAssignment#page3.tif source=501417USAssignment#page4.tif source=501417USAssignment#page5.tif source=501417USAssignment#page6.tif source=501417USAssignment#page7.tif source=501417USAssignment#page8.tif source=501417USAssignment#page9.tif source=501417USAssignment#page10.tif source=501417USAssignment#page11.tif source=501417USAssignment#page12.tif source=501417USAssignment#page13.tif source=501417USAssignment#page14.tif source=501417USAssignment#page15.tif source=501417USAssignment#page16.tif

Title of Invention	MULTICORE FIBER AND MANUFACTURING METHOD OF MULTICORE FIBER	
As the below name	d inventor, I hereby declare that:	
This declaration 🔀	The attached application, or	
is directed to:	United States application or PCT international application number	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
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acknowledged, and said ASSIGNEES, t and in all foreign co other relevant Interr interest in and to an	ORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
any and all foreign assignees of my en- their successors and	te and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the tire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Katsunor	ri IMAMURA Date: January 26, 2017	
Signature: Kats	unori Imamura	

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF	INVENTOR	
Inventor: Tomohir	o GONDA Date: January 31, 2017	
Signature: To	nohiro Gonda	

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LEGAL NAME OF	INVENTOR	
Inventor: Ryuichi	SUGIZAKI Date: Feb. 157 2017	
Signature:	Rywichi Sigizaki	

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention MULTICORE FIBER AND MANUFACTURING METHOD OF MULTICORE FIBER			
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LEGAL NAME OF INVENTOR			
Inventor: Taiji SAKAMOTO Date: Feb. 14, 2017			
Signature: Jaiji Sakamoto .			

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	FIBER	
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LEGAL NAME OF	INVENTOR	
Inventor: Takayos	shi MORI Date: Feb. 14, 2017	
Signature:	bush' moré	

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF	INVENTOR		
Inventor: Masaki	WADA Date: Feb. 14, 2017		
Signature:	asaki Wada		

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	MULTI-CORE FIBER AND MANUFACTURE FIBER	RING METHOD OF MULTI-CORE
As the below name	d inventor, I hereby declare that:	
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LEGAL NAME OF	INVENTOR	
Inventor: Takashi	YAMAMOTO	Date: Feb. 14, 2017
Signature:	Jakashi hamamotre	

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LEGAL NAME OF INVENTOR
Inventor: Fumihiko YAMAMOTO Date: Feb. 14, 2017
Signature: Junifula Jamento

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> PATENT REEL: 041356 FRAME: 0308

RECORDED: 02/23/2017