507217702 04/06/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7264552

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOMOHIRO AKIYAMA	02/14/2022
AKIO TANABE	02/14/2022

RECEIVING PARTY DATA

Name:	FURUKAWA ELECTRIC CO., LTD.	
Street Address:	6-4, OTEMACHI 2-CHOME, CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17578531

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: ahailemariam@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	541154US
NAME OF SUBMITTER:	ABEBECH HAILEMARIAM
SIGNATURE:	/Abebech Hailemariam/
DATE SIGNED:	04/06/2022
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 507217702 REEL: 059512 FRAME: 0642

Attorney Docket Number: 541154US

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	REINFORCING SLEEVE, AND REINFORCING STRUCTURE OF SPLICED PORTION OF OPTICAL 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	ed 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,
(hereinafter referred Japan , is desirous	RUKAWA ELECTRIC CO., LTD. I to as "ASSIGNEE") having places of business at: 6-4, Otemachi 2-chome, Chiyoda-ku, Tokyo, of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign
acknowledged, and ASSIGNEE, the ful all foreign countrie relevant Internation in and to any and a	PORE, 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 said II and exclusive right to the said invention in the United States and its territorial possessions and in s (including the right to claim priority under the terms of the International Convention and other all Treaties and Arrangements from the aforesaid application) and the entire right, title and interest II Letters Patent which may be granted therefor in the United States and its territorial possessions foreign countries and in and to any and all divisions, reissues, continuations, substitutions and
and all foreign com of my entire right, successors and assig	the and request the Patent Office Officials in the United States and its territorial possessions and any attries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignce title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) gas, to the full end of the term for which said Letters Patent may be granted, as fully and entirely have been held by me had this Assignment and sale not been made.
respecting said inv continuation, substi all of said Letters Pa to aid said ASSIGN	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me rention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and itent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible IEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in its territorial possessions and in any and all foreign countries.
	ledge 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: Tomohiro AKIYAMA Date: Feb. 14, 2022	
Signature: Tou	obiro Akiyawa

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 059512 FRAME: 0643

Attorney Docket Number: 541154US

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	PORTION OF OPTICAL 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.	
(hereinafter referred	RUKAWA ELECTRIC CO., LTD. I to as "ASSIGNEB") having places of business at: 6-4, Otemachi 2-chome, Chiyoda-ku, Tokyo, of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign	
acknowledged, and ASSIGNEE, the ful all foreign countries relevant Internation in and to any and all	FORE, 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 said II and exclusive right to the said invention in the United States and its territorial possessions and in a (including the right to claim priority under the terms of the International Convention and other ai Treaties and Arrangements from the aforesaid application) and the entire right, title and interest II Letters Patent which may be granted therefor in the United States and its territorial possessions foreign countries and in and to any and all divisions, reissues, continuations, substitutions and	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignce of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) 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 ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) 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.		
I hereby acknow by fine or imprison	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.	
LEGAL NAME OF		
Inventor: Akio TA	ANABE Date: Feb. 14, Zo22	
Signature:	Kjo vanabe	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 059512 FRAME: 0644

RECORDED: 04/06/2022