### 505473031 05/13/2019

## **PATENT ASSIGNMENT COVER SHEET**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KUNIYUKI ISHII	04/05/2019
HIROMI KURASHIMA	04/08/2019

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16376716

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ATTORNEY DOCKET NUMBER:	087143.0617
NAME OF SUBMITTER:	RUTH J. OLIVO
SIGNATURE:	/Ruth J. Olivo/
DATE SIGNED:	05/13/2019

**Total Attachments: 1** 

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PATENT REEL: 049159 FRAME: 0861

505473031

# ASSIGNMENT

Whereas, I/we,		
Name	Address	
1) Kuniyuki ISHII	c/o SUMITOMO ELECTRIC INDUSTRIES, LTD.; 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan	
2) Hiromi KURASHIMA	c/o SUMITOMO BLECTRIC INDUSTRIES, LTD., 5-33, Kilahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan.	, , , , , , , , , , , , , , , , , , ,

hereinafter called assignor(s), have invented certain improvements in

## OPTICAL TRANSCEIVER WITH A PLURALITY OF BUILT-IN OPTICAL SUBASSEMBLIES

and executed an application indicated below:	for Letters Patent of the Uni	ited States of America the	refor on even date herew	ith unless otherwis
filed on	April 5, 2019	, Serial No.	16/376716	; and
5-33	ECTRIC INDUSTRIES, LT , Kitahama 4-chome, Chuo- a-shi, Osaka 541-0041 Jap	ku,		

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignce, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

In the event that the patent application filing date or serial number is not known at the time this Assignment is executed, I/WE hereby grant permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this Assignment after such information is added.

	INVENTORS		DATE SIGNED	
1)::	Kunijaki Ishii		5, Apr. 2019	
Name:	Kuniyuki ISHII	· · · · · · · · · · · · · · · · · · ·		
2) :	Diron Kwashina	कु 5 5.	8 Apr. 2019	
Name:	Hiromi KURASHIMA	······································		

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

RECORDED: 05/13/2019

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