

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NARUTO TANAKA	04/24/2019
TOMOYUKI FUNADA	03/28/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SUMITOMO ELECTRIC INDUSTRIES, LTD.
<b>Street Address:</b>	5-33, KITAHAMA 4-CHOME, CHUO-KU
<b>City:</b>	OSAKA-SHI, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	541-0041
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16624073
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	207516-0131-00-US-589893
<b>NAME OF SUBMITTER:</b>	JOHN G. SMITH
<b>SIGNATURE:</b>	/John G. Smith/
<b>DATE SIGNED:</b>	12/18/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 3</b>	
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**COMBINED DECLARATION AND ASSIGNMENT**

WHEREAS I/WE, the below-named inventor(s) – hereinafter referred to as Assignor(s) – have made an invention entitled:

**OPTICAL RECEIVER MODULE, OPTICAL RECEIVING METHOD,  
OPTICAL LINE TERMINAL, PON SYSTEM, AND OPTICAL FILTER**

for which I/WE are filing an application for United States Letters Patent, the application being the one identified in the Declaration set forth below; and

WHEREAS, SUMITOMO ELECTRIC INDUSTRIES, LTD., a corporation of Japan, whose post office address is 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration, the receipt of which from Assignee 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 divisionals, 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 United States Patent and Trademark Office 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 covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with 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, and all rights to claim priority on the basis of such applications, make all rightful oaths or the like, 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 TESTIMONY WHEREOF, I/WE have hereunto set our hand(s) in the appropriate space below.

出願データシート（連邦規則法典第 37 編規則 1.76）を用いた  
実用又は意匠出願のための、連邦規則法典第 37 編規則 1.63 の  
宣言書として、下記に記名され、署名のある各発明者は、次  
のように宣言する。

この宣言書は次に向けられたものである（次の 2 つの  
ボックスのうち 1 つにチェックを入れてください）：

添付された出願、又は  
\_\_\_\_\_ に出願された  
出願番号 \_\_\_\_\_  
である米国出願若しくは PCT 国際出願。

上記の出願は、私によってなされたか、又は私によって  
なされるよう権限を与えられたものである。

私は、この出願で請求されている発明の最初の発明者又は  
最初の共同発明者であると信じている。

私は、特許請求の範囲を含むこの出願の内容を検討し、且つ  
理解した。

私は、連邦規則法典第 37 編規則 1.56 に規定されているよう  
に、特許性について私が知っているすべての重要な情報を  
序に開示する義務があることを知っている。

私は、この宣言書においてなされたいかなる故意による虚偽  
の供述は、合衆国法典第 18 編第 1001 条の下、罰金若しくは  
5 年以下の懲役又はその両方に処される事をここに認める。

AS A DECLARATION UNDER 37 C.F.R. § 1.63, for a utility or  
design application using an Application Data Sheet (37 C.F.R. §  
1.76), each below-named inventor for which a signature has been  
provided hereby declares that:

This Declaration is directed to (please check one of the following  
two boxes):

The attached application, or  
 United States application or PCT international application  
number PCT/JP2018/021654  
filed on June 6, 2018

The above-identified application was made or authorized to be made  
by me.

I believe that I am the original inventor or an original joint inventor  
of a claimed invention in the application.

I have reviewed and understand the contents of the application,  
including the claims.

I am aware of the duty to disclose to the Office all information  
known to me to be material to patentability as defined in 37 C.F.R. §  
1.56.

I hereby acknowledge that any willful false statement made in this  
declaration is punishable under 18 U.S.C. 1001 by fine or  
imprisonment of not more than five (5) years, or both.

注記：もし前もって提出されていないのであれば、発明主体全員の  
名前を挙げた出願データシート（PTO/AIA/14 又はそれに相当する  
もの）をこの用紙に添付しなければならない。

Note: An application data sheet (PTO/AIA/14 or equivalent) naming the  
entire inventive entity must accompany this form if not submitted previously

**STATEMENT OF ACCURATE TRANSLATION UNDER 37 C.F.R. § 1.69(b):**

To the best of my knowledge, the English-language translation provided in this document is an accurate translation.

Signature: \_\_\_\_\_



Masahiro Noda

唯一または第一発明者の法律上の氏名	LEGAL NAME OF SOLE/FIRST ASSIGNOR/INVENTOR
氏名: _____	Print Name: <u>Naruto TANAKA</u>
日付: _____	Date: <u>April 24, 2019</u>
署名: _____	Signature: <u>Naruto TANAKA</u>
第二発明者の法律上の氏名	LEGAL NAME OF SECOND ASSIGNOR/INVENTOR
氏名: _____	Print Name: <u>Tomoyuki FUNADA</u>
日付: _____	Date: <u>March 28, 2019</u>
署名: _____	Signature: <u>Tomoyuki Funada</u>
第三発明者の法律上の氏名	LEGAL NAME OF THIRD ASSIGNOR/INVENTOR
氏名: _____	Print Name: _____
日付: _____	Date: _____
署名: _____	Signature: _____
第四発明者の法律上の氏名	LEGAL NAME OF FOURTH ASSIGNOR/INVENTOR
氏名: _____	Print Name: _____
日付: _____	Date: _____
署名: _____	Signature: _____
第五発明者の法律上の氏名	LEGAL NAME OF FIFTH ASSIGNOR/INVENTOR
氏名: _____	Print Name: _____
日付: _____	Date: _____
署名: _____	Signature: _____
第六発明者の法律上の氏名	LEGAL NAME OF SIXTH ASSIGNOR/INVENTOR
氏名: _____	Print Name: _____
日付: _____	Date: _____
署名: _____	Signature: _____
発明者のリストは添付のページに続く: <input type="checkbox"/> はい <input type="checkbox"/> いいえ	Name(s) of additional Assignor(s)/Inventor(s) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No