504029686 09/29/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4076345

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAORU OOMORI	09/26/2016
TAKASHI KOJIMA	09/27/2016

RECEIVING PARTY DATA

Name:	SUMITOMO ELECTRIC INDUSTRIES, LTD.
Street Address:	5-33, KITAHAMA 4-CHOME
Internal Address:	CHUO-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	541-0041

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15280789

CORRESPONDENCE DATA

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Address Line 4: WASHINGTON, D.C. 20007

ATTORNEY DOCKET NUMBER:	033035 M 536
NAME OF SUBMITTER:	MICHAEL A. MAKUCH
SIGNATURE:	/Michael A. Makuch/
DATE SIGNED:	09/29/2016

Total Attachments: 2

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PATENT 504029686 REEL: 039899 FRAME: 0920

ASSIGNMENT

Whereas, I/we,

Name

Address

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,
1, Taya-oho, Sakae-ku,
Yokohama-shi, Kanagawa 244-8588 Japan

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,
1, Taya-oho, Sakae-ku,
Yokohama-shi, Kanagawa 244-8588 Japan

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

OPTICAL APPARATUS, PRINTED CIRCUIT BOARD

SUMITOMO ELECTRIC INDUSTRIES, LTD. 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan

(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 assignee, 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.

	INVENTORS	<u>DATE SIGNED</u>
1):	Kaory Oomori	September 26, 2016
Name:	Kaoru OOMORI	
2):		
Name:	Takashi KOJIMA	

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

Page 1 of 1

		ASSIGNMENT	US Rights O
Whereas,	I/we,		•
	Name	Address	
I) Kao	ru OOMORI	c/o Yokohama Works of Sumitomo Electric Industrios, Ltd 1, Taya-oho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japun	
2) Taka	shi KOJIMA	c/o Yokohama Works of Sundtomo Eleotrio Industrics, Ltd., 1, Taya-cho, Sakac-ku, Yokohama-shi, Kanagawa 244-8588 Japan	
and execut	ed an application for Le	TED CIRCUIT BOARD Iters Patent of the United States of America therefor o	n even date herewith unless otherwise
indicated b	offom:		· · · · · · · · · · · · · · · · · · ·
Whe	filed on	, Serial No.	; and
	SUMITOMO ELECTR 5-33, Kitah	IC INDUSTRIES, L'ID. ama 4-chomo, Chuo-ku, Osaka 541-0041 Japan	
(assignee), patents to b	desires to acquire the en	stire right, title and interest in the application and inve	ention, and to any United States
and set over invention as may be gran Trademarks	nowledged, 17 WE, as ass runto the assignee, its land and this application, and ated thereon, and all reis	nown that, for good and valuable consideration from a ignor(s), have sold, assigned, transferred, and set over whil successors and assigns, MY/OUR entire right, till divisions, and continuations thereof, and all Letters sues thereof, and I/WE hereby authorize and request t issue all Letters Patent for this invention to assignee, i ssignment;	r, and do hereby sell, assign, transfer, itle, and interest in and to this Patent of the United States which
AND assignce, its	, I/WE HEREBY furthe s successors and assigns	r covenant and agree that I/WE will, without further can any facts known to MR/IS respecting this invention	onsideration, communicate with

known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, excoute 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,

	INVENTORS	DATE SIGNED
1):		
Name ;	Kaoru OOMORI	
2) : Name :	Takashi Kojima Takashi KOJIMA	September 27.2016

(Legalization not required for recording but is prima facte evidence of execution under 35 U.S.C. § 261) Page 1 of 1

> **PATENT** REEL: 039899 FRAME: 0922

RECORDED: 09/29/2016