# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
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YASUNORI MURAKAMI	09/21/2015
MASAHIRO SHIBATA	09/22/2015

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

Property Type	Number
Application Number:	14867873

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DATE SIGNED:	09/28/2015

## **Total Attachments: 4**

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> **PATENT** REEL: 036672 FRAME: 0841 503499270

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PATENT REEL: 036672 FRAME: 0842

# ASSIGNMENT

This assig	nmen IGNAI	t agreement is applicable to an invention entitled (Invention Title)
The Pa	ATEN a [X]	T RIGHTS referred to in this agreement are:  patent application for this invention, executed by the ASSIGNOR(S)  oncurrently with this assignment.
		U.S. patent application Serial No, filed on  U.S. patent application based on PCT International Application io filed on (date) (U.S. patent application Serial
	[] L	I.S. patent No, issued
		IGHTS also include all divisions, reissues, continuations and extensions of the applications identified above.
		IGHTS assigned under this agreement are: I.S. patent rights only.
(Check one)	[] V tt	Vorldwide patent rights. In this case, the assignee shall have the right to claim be benefit of the filing date of any U.S. or foreign patent application for this syention.
		t(S) referred to in this agreement is (or are) the inventor(s) whose signatures of this Assignment and any Supplemental Sheet(s).
The ASSIC (Name of Ass (Address)	ONEE signee	referred to in this agreement is: ) SUMITOMO ELECTRIC INDUSTRIES, LTD. 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041, JAPAN
The ASSIGN (check one)	[] Ar	
	[x] A [] (o	Corporation of(specify state or country)
valuable cont the ASSIGNE the full and the entire the right to the right to	sidera EE, its d excl right, o sue o clain	R(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and tion, receipt of which is acknowledged, hereby assign(s) the following rights to successors and assigns: usive right to the invention; title and interest in and to the PATENT RIGHTS; and recover for any past infringement; and, or priority under 35 USC 119, 35 USC 120, or any other applicable and on any earlier patent applications for this invention.

PATENT REEL: 036672 FRAME: 0843

THIS IS PAGE 2 OF AN ASSIGNMENT ASSIGNEE: SUMITOMO ELECT INVENTION TITLE: OPTICAL SI		AL ASSEMBLY
As to all U.S. patent applications authorize(s) and request(s) the Commis Patent to the ASSIGNEE as the assigne enjoyment of said ASSIGNEE, its succe	e of the entire right, title and inter	s to issue all Letters
Further, the ASSIGNOR(S) agree representatives, any facts known to the legal proceedings, sign all lawful papers reexamination and reissue applications, and all Letters Patent to be issued to sa everything necessary or desirable to ald enforce proper protection for said invent	, execute all divisional, continuation execute all necessary assignment id ASSIGNEE, make all rightful oa said ASSIGNEE, its successors i	vention, and testify in any on, substitute, renewal, it papers to cause any aths and generally do
The ASSIGNORS authorize any application to check any appropriate bordocument after it has been executed.	attorneys and agents who have a kes and to insert the Serial Numbe	power of attorney in this ar and filing date in this
Akira FURUYA  Name of sole or first inventor	Akira Furuya Signature	Sep. 22 20/5 Date
	Signature	Date
Masahiro SHIBATA Name of third inventor	Signature	Date

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**PATENT REEL: 036672 FRAME: 0844** 

ASSIGNEE: SUMITOMO E	IENT FROM THE INVENTOR(S) TO LECTRIC INDUSTRIES, LTD. LL SIGNAL PROCESSOR AND OP	
authorize(s) and request(s) the Cor	tions assigned under this agreemen mmissioner of Patents and Tradema signee of the entire right, title and in successors and assigns.	arks to issue all Letters
representatives, any facts known to legal proceedings, sign all lawful pr reexamination and reissue applicat and all Letters Patent to be issued	agree(s) to communicate to said AS the ASSIGNOR(S) respecting said apers, execute all divisional, continuions, execute all necessary assignate said ASSIGNEE, make all rightfuto ald said ASSIGNEE, its successonvention.	f invention, and testify in any setion, substitute, renewal, nent papers to cause any set and generally do
The ASSIGNORS authorize application to check any approprial document after it has been execute	any attorneys and agents who have te boxes and to insert the Serial Nur ad.	e a power of attorney in this mber and filing date in this
Akira FURUYA		
Name of sole or first inventor	Signature	Date
Yasunori MURAKAMI Name of second inventor	Signature Messey Lamis	<u>September 21,</u> 2015 Data
Masahiro SHIBATA		
Name of third inventor	Signature	Date

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THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
ASSIGNEE: SUMITOMO ELECTRIC INDUSTRIES, LTD.
INVENTION TITLE: OPTICAL SIGNAL PROCESSOR AND OPTICAL ASSEMBLY

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Akira FURUYA Name of sole or first inventor	Signature	Date
Yasunori MURAKAMI Name of second inventor	Signature	Date
	<u>Massline Milista</u> Signature	<u>Sep. 22. 2015</u> Date

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PATENT REEL: 036672 FRAME: 0846

RECORDED: 09/28/2015