502841913 06/06/2014

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROKI MORI	06/05/2014
MASAKI MIGITA	06/05/2014
YOUICHI NAGAI	06/05/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14363723

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NAME OF SUBMITTER:	MICHAEL A. MAKUCH
SIGNATURE:	/Michael A. Makuch/
DATE SIGNED:	06/06/2014

Total Attachments: 3

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PATENT 502841913 REEL: 033051 FRAME: 0075

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ASSIGNMENT

	gnment agreement is applicable to an invention entitled (Invention Title)
The P	ATENT RIGHTS referred to in this agreement are:
	[] a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
	[] U.S. patent application Serial No, filed on [x] a U.S. patent application based on PCT International Application No. PCT/JP2012/067320 filed on (date) July 6, 2012 (U.S. patent application Serial No, if known).
	[] U.S. patent No, issued
	ENT RIGHTS also include all divisions, reissues, continuations and extensions of the patent applications identified above.
	ENT RIGHTS assigned under this agreement are:
(check one)	 [x] U.S. patent rights only. [] Worldwide patent rights. In this case, the assignee shall have the right to claim.
	the benefit of the filing date of any U.S. or foreign patent application for this invention.
	IGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures age 2 of this Assignment and any Supplemental Sheet(s).
	GNEE referred to in this agreement is:
(Name of As (Address)	signee) <u>SUMITOMO ELECTRIC INDUSTRIES, LTD.</u> 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041, JAPAN
The ASSIGN	
	[] An Individual.
	[] A Partnership [x] A Corporation ofJAPAN(specify state or country)
	[] (other)
	IGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and
	sideration, receipt of which is acknowledged, hereby assign(s) the following rights to EE, its successors and assigns:
the full ar	nd exclusive right to the invention;
	eright, title and interest in and to the PATENT RIGHTS; to sue and recover for any past infringement; and,
the right t	to claim priority under 35 USC 119, 35 USC 120, or any other applicable s, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: SUMITOMO ELECTRIC INDUSTRIES, LTD. INVENTION TITLE: IMAGING DEVICE AND MANUFACTURING METHOD FOR SAME

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.

Hiroki MORI	Heroki Mori	June, 5, 2014
Name of sole or first inventor	Śignature	Date
Masaki MIGITA Name of second inventor, if any	<u>Masuka Mîgira</u> Signature	June, 5, 2014 Date
Youichi NAGAI		<u></u>
Name of third inventor, if any	Signature	Date

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Hiroki MORI		
Name of sole or first inventor	Signature	Date
Masaki MIGITA		
Name of second inventor, if any	Signature	Date
Vaulahi NACAI	Yorichi Magai	June 5 2016
Youichi NAGAI Name of third inventor, if any	Signature	Date
	~	

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RECORDED: 06/06/2014