504116829 11/30/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSUKE IWASA	09/05/2013

RECEIVING PARTY DATA

Name:	LAPIS SEMICONDUCTOR CO., LTD.	
Street Address:	2-4-8 SHINYOKOHAMA, KOUHOKU-KU	
City:	YOKOHAMA	
State/Country:	JAPAN	
Postal Code:	222-8575	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15365221

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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Email: firm@rabinberdo.com **Correspondent Name:** RABIN & BERDO, P.C.

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ATTORNEY DOCKET NUMBER:	TAI-334C2
NAME OF SUBMITTER:	ROBERT H. BERDO, JR.
SIGNATURE:	/Robert H. Berdo, Jr./
DATE SIGNED:	11/30/2016

Total Attachments: 2

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PATENT 504116829 REEL: 040469 FRAME: 0484

Attorney Reference	
mecorney normone	

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Yosuke IWASA
hereinafter referred to collectively as the assignor, has invented a certain improvement
relating to SEMICONDUCTOR DEVICE AND METERING APPARATUS
[×] the inventor(s) declaration for said application being executed concurrently with the
execution of this instrument; said application to be filed in the United States Patent and Trademark
Office;
[] said application having been filed in the United States Patent and Trademark Office on,
authorization being hereby given to the practitioners associated with the
CUSTOMER NUMBER 20987, Volentine & Whitt, PLLC, 11951 Freedom Drive, Suite 1300, Reston,
VA 20191, to insert here in parentheses (Application Serial No) the
application serial number of said application when known;
[] said application having been filed under the Patent Cooperation Treaty
on
Serial No.) , the United States of America being designated.
AND WHEREAS LAPIS Semiconductor Co., Ltd.
of 2-4-8 Shinyokohama, Kouhoku-ku, Yokohama 222-8575, Japan
hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest
in and to said application, including any and all divisions and continuations thereof, and in and to
said invention and any and all patents which may be granted therefor, including any and all
renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VOLENTINE & WHITT, PLLC

All practitioners at Customer Number 20987

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at

PATENT REEL: 040469 FRAME: 0485

	ASSIGNOR:
Yuto Hidaka	Signature: Yo syke Iwasa Name: Yosuke IWASA
	Yuto Hidaka

RECORDED: 11/30/2016

PATENT REEL: 040469 FRAME: 0486