505502179 05/31/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Atsushi Umezaki	08/25/2006

RECEIVING PARTY DATA

Name:	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
Street Address:	398, HASE
City:	ATSUGI-SHI, KANAGAWA-KEN
State/Country:	JAPAN
Postal Code:	243-0036

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16424813

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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 (202) 626-6430

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 apsi@fr.com

Correspondent Name: DAVID B. HARDY

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ATTORNEY DOCKET NUMBER: 12732-0394004	
NAME OF SUBMITTER:	SHARON M. ALLEN
SIGNATURE:	/Sharon M. Allen/
DATE SIGNED:	05/31/2019

Total Attachments: 1

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PATENT REEL: 049327 FRAME: 0665

505502179

Attorney Docket No. 12732-0394003 Client Ref. No. US09106-C1C1

ASSIGNMENT

For valuable consideration, I, <u>Atsushi UMEZAKI of Atsugi, Kanagawa, Japan</u> hereby assign to <u>Semiconductor Energy Laboratory Co., Ltd.</u>, a <u>Japanese</u> corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken, 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and
interest throughout the world in the inventions and improvements which are subject of an application for
United States Patent signed by me this day, entitled SHIFT REGISTER, SEMICONDUCTOR DEVICE,
DISPLAY DEVICE, AND ELECTRONIC DEVICE, filed October 6, 2006, and assigned U.S.
Serial Number 11/539,429 , and I authorize and request the Assignee or the attorneys appointed
in said application I authorize the Assignee to apply in all countries in my name or in its own name for
patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said
I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to
perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and
other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature	Atsush: UMEZAKI
Name:	Atsushi UMEZAKI
Date:	09/25/2006

RECORDED: 05/31/2019

PATENT REEL: 049327 FRAME: 0666