#### 503908222 07/11/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
YOSHIYUKI KUROKAWA	05/13/2013
TAKAYUKI IKEDA	05/15/2013

### **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:	15163817

#### CORRESPONDENCE DATA

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**ATTORNEY DOCKET NUMBER:** 12732-1209003 NAME OF SUBMITTER: JANELLE A. JACKSON SIGNATURE: /Janelle A. Jackson/ **DATE SIGNED:** 07/11/2016

**Total Attachments: 1** 

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**PATENT REEL: 039117 FRAME: 0523** 503908222

## **ASSIGNMENT**

For valuable consideration, We, <u>Yoshiyuki KUROKAWA of Sagamihara</u>, <u>Kanagawa</u>, <u>Japan and Takayuki IKEDA of Atsugi</u>, <u>Kanagawa</u>, <u>Japan hereby assign to <u>Semiconductor Energy Laboratory Co.</u>, <u>Ltd.</u>, a <u>Japanese</u> corporation having a place of business at:</u>

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 us this day, entitled PROGRAMMABLE LOGIC DEVICE, filed May 24, 2013, and assigned U.S. Serial Number 13/901,644, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our 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	Yoshiyuki KUROKAWA		
Name:	Yoshiyüki KUROKAWA		
Date:	05/13/2013		
Signature	Takayuki Ikeda		
Name:	Takayukî IKEDA		
Date:	05/15/2013		

RECORDED: 07/11/2016

PATENT REEL: 039117 FRAME: 0524