

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shunpei Yamazaki	10/05/2010
Jun Koyama	10/07/2010
Hiroyuki Miyake	10/06/2010
Kei Takahashi	10/06/2010
Kouhei Toyotaka	10/06/2010
Masashi Tsubuku	10/06/2010
Kosei Noda	10/06/2010
Hideaki Kuwabara	10/06/2010

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:	12904579

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	12732-0717001
NAME OF SUBMITTER:	April K. Saunders-Fuller
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ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Jun KOYAMA of Sagamihara, Kanagawa, Japan, Hiroyuki MIYAKE of Atsugi, Kanagawa, Japan, Kei TAKAHASHI of Isehara, Kanagawa, Japan, Kouhei TOYOTAKA of Atsugi, Kanagawa, Japan, Masashi TSUBUKU of Atsugi, Kanagawa, Japan, Kosei NODA of Atsugi, Kanagawa, Japan and Hideaki KUWABARA of Isehara, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese 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 us this day, entitled SEMICONDUCTOR DEVICE, filed 10/14/2010, and assigned U.S. Serial Number 12/904,579, 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

Name:

Date:


Shunpei YAMAZAKI

10/05/2010

Signature Jun Koyama
Name: JUN KOYAMA
Date: 10/07/2010

Signature Hiroyuki MIYAKE
Name: Hiroyuki MIYAKE
Date: 10/06/2010

Signature Kei Takahashi
Name: Kei TAKAHASHI
Date: 10/06/2010

Signature Kouhei Toyotaka
Name: Kouhei TOYOTAKA
Date: 10/06/2010

Signature Masashi Tsubuku
Name: Masashi TSUBUKU
Date: 10/06/2010

Signature Kosei Noda
Name: Kosei NODA
Date: 10/06/2010

Signature Hideaki Kuwabara
Name: Hideaki KUWABARA
Date: 10/06/2010