

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3299372

| | |
|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| SHUNPEI YAMAZAKI | 02/17/2015 |
| YOSHINORI YAMADA | 02/17/2015 |
| YUSUKE NONAKA | 02/17/2015 |
| MASASHI OOTA | 02/18/2015 |
| YOICHI KUROSAWA | 02/17/2015 |
| NORITAKA ISHIHARA | 02/17/2015 |
| TAKASHI HAMADA | 02/18/2015 |
| MITSUHIRO ICHIJO | 02/18/2015 |
| YUJI EGI | 02/19/2015 |
| 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: | 14636477 |
| CORRESPONDENCE DATA | |
| Fax Number: | (877)769-7945 |
| <i>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.</i> | |
| Phone: | (202) 783-5070 |
| Email: | APSI@fr.com |
| Correspondent Name: | JOHN F. HAYDEN |
| Address Line 1: | FISH & RICHARDSON P.C. |
| Address Line 2: | P.O.BOX 1022 |
| Address Line 4: | MINNEAPOLIS, MINNESOTA 55440-1022 |
| ATTORNEY DOCKET NUMBER: | 12732-1443001 |
| NAME OF SUBMITTER: | JANELLE A. JACKSON |

PATENT

| | |
|---|----------------------|
| SIGNATURE: | /Janelle A. Jackson/ |
| DATE SIGNED: | 04/07/2015 |
| Total Attachments: 4 source=12732-1443001 Assignment#page1.tif source=12732-1443001 Assignment#page2.tif source=12732-1443001 Assignment#page3.tif source=12732-1443001 Assignment#page4.tif | |

ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Yoshinori YAMADA of Atsugi, Kanagawa, Japan, Yusuke NONAKA of Isehara, Kanagawa, Japan, Masashi OOTA of Atsugi, Kanagawa, Japan, Yoichi KUROSAWA of Atsugi, Kanagawa, Japan, Noritaka ISHIHARA of Koza, Kanagawa, Japan, Takashi HAMADA of Atsugi, Kanagawa, Japan, Mitsuhiro ICHUJO of Zama, Kanagawa, Japan and Yuji EGI 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 March 3, 2015, and assigned U.S. Serial Number 14/636,477, 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: Shunpei YAMAZAKI

Date:

02/17/2015

Signature

Name:

Yoshinori YAMADA

Date:

Signature _____
Name: Yusuke NONAKA
Date: _____

Signature _____
Name: Masashi OOTA
Date: _____

Signature _____
Name: Yoichi KUROSAWA
Date: _____

Signature _____
Name: Noritaka ISHIHARA
Date: _____

Signature _____
Name: Takashi HAMADA
Date: _____

Signature _____
Name: Mitsuhiro ICHIJO
Date: _____

Signature _____
Name: Yuji EGI
Date: _____

ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Yoshinori YAMADA of Atsugi, Kanagawa, Japan, Yusuke NONAKA of Isehara, Kanagawa, Japan, Masashi OOTA of Atsugi, Kanagawa, Japan, Yoichi KUROSAWA of Atsugi, Kanagawa, Japan, Noritaka ISHIHARA of Koza, Kanagawa, Japan, Takashi HAMADA of Atsugi, Kanagawa, Japan, Mitsuhiro ICHIJO of Zama, Kanagawa, Japan and Yuji EGI 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 March 3, 2015, and assigned U.S. Serial Number 14/836,477, 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: Shunpei YAMAZAKI
Date: _____

Signature Yoshinori YAMADA
Name: Yoshinori YAMADA
Date: 02/17/2015

Signature Yusuke Nonaka
Name: Yusuke NONAKA
Date: 02/17/2015

Signature Masashi Oota
Name: Masashi OOTA
Date: 02/18/2015

Signature Yoichi Kurosawa
Name: Yoichi KUROSAWA
Date: 02/17/2015

Signature Noritaku Ishihara
Name: Noritaka ISHIHARA
Date: 02/19/2015

Signature Takashi Hamada
Name: Takashi HAMADA
Date: 02/18/2015

Signature Mitsuhiro ICHIJO
Name: Mitsuhiro ICHIJO
Date: 02/18/2015

Signature Yuji Egi
Name: Yuji EGI
Date: 02/19/2015