

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2753212

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>TOSHIHIKO SAITO</td> <td>02/22/2011</td> </tr> <tr> <td>SHUHEI NAGATSUKA</td> <td>02/22/2011</td> </tr> </tbody> </table>		Name	Execution Date	TOSHIHIKO SAITO	02/22/2011	SHUHEI NAGATSUKA	02/22/2011
Name	Execution Date						
TOSHIHIKO SAITO	02/22/2011						
SHUHEI NAGATSUKA	02/22/2011						
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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13848871</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13848871		
Property Type	Number						
Application Number:	13848871						
CORRESPONDENCE DATA							
Fax Number:	(877)769-7945						
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ATTORNEY DOCKET NUMBER:	12732-0821002						
NAME OF SUBMITTER:	APRIL K. SAUNDERS-FULLER						
Signature:	/April K. Saunders-Fuller/						
Date:	03/05/2014						
Total Attachments: 1 source=12732-0821002-ASN#page1.tif							

ASSIGNMENT

For valuable consideration, We, Toshihiko SAITO of Atsugi, Kanagawa, Japan and Shuhe NAGATSUKA of Atsugi, 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 **MEMORY DEVICE AND SEMICONDUCTOR DEVICE**, filed March 22, 2013, and assigned U.S. Serial Number 13/848,871, 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 Toshihiko SAITO
Name: Toshihiko SAITO
Date: 02/22/2011

Signature Shuhe NAGATSUKA
Name: Shuhe NAGATSUKA
Date: 02/22/2011