

PATENT ASSIGNMENT

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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>Shunpei Yamazaki</td><td>10/19/2010</td></tr><tr><td>Toru Takayama</td><td>10/25/2010</td></tr><tr><td>Keiji Sato</td><td>10/26/2010</td></tr></tbody></table>		Name	Execution Date	Shunpei Yamazaki	10/19/2010	Toru Takayama	10/25/2010	Keiji Sato	10/26/2010		
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<table border="1"><tr><td>Name:</td><td>Semiconductor Energy Laboratory Co., Ltd.</td></tr><tr><td>Street Address:</td><td>398, Hase</td></tr><tr><td>City:</td><td>Atsugi-shi, Kanagawa-ken</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>243-0036</td></tr></table>		Name:	Semiconductor Energy Laboratory Co., Ltd.	Street Address:	398, Hase	City:	Atsugi-shi, Kanagawa-ken	State/Country:	JAPAN	Postal Code:	243-0036
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PROPERTY NUMBERS Total: 1											
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Application Number:	12945421										
CORRESPONDENCE DATA											
Fax Number: (877)769-7945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</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:	12732-0742001										
NAME OF SUBMITTER:	April K. Saunders-Fuller										
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PATENT

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REEL: 025543 FRAME: 0845

ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Toru TAKAYAMA of Atsugi, Kanagawa, Japan and Keiji SATO 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 SPUTTERING TARGET AND MANUFACTURING METHOD THEREOF, AND TRANSISTOR, filed 11/12/2010, and assigned U.S. Serial Number 12/945,421, 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
Shunpei YAMAZAKI
10/19/2010

Signature

Name:

Date:

Toru Takayama
Toru TAKAYAMA
10/25/2010

Signature

Name:

Date:

Keiji Sato
Keiji SATO
10/26/2010