

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Syusuke IWATA</td><td>11/12/2006</td></tr><tr><td>Yoshiyuki Kurokawa</td><td>11/14/2006</td></tr></tbody></table>	Name	Execution Date	Syusuke IWATA	11/12/2006	Yoshiyuki Kurokawa	11/14/2006	
Name	Execution Date						
Syusuke IWATA	11/12/2006						
Yoshiyuki Kurokawa	11/14/2006						
RECEIVING PARTY DATA							
Name:	Semiconductor Energy Laboratory Co., Ltd.						
Street Address:	398, Hase, Atsugi-Shi						
City:	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>11561632</td></tr></tbody></table>	Property Type	Number	Application Number:	11561632			
Property Type	Number						
Application Number:	11561632						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Sharon M. Washington						
Total Attachments: 1 source=Assignment for 12732-411001#page1.tif							

CH 11561632 \$40.00

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PATENT  
REEL: 018553 FRAME: 0552

## ASSIGNMENT

For valuable consideration, We, Syusuke IWATA of 2-28-14, Yoko, Suma-ku, Kobe-shi, Hyogo-ken, 654-0131, Japan and Yoshiyuki KUROKAWA of Sagamihara, 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 MEMORY DEVICE AND METHOD FOR OPERATING THE SAME, filed November 20, 2006, and assigned U.S. Serial Number 11/561,632, and we authorize and request the attorneys appointed in said application 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 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 Syusuke Iwata  
Name: Syusuke IWATA  
Date: 11 / 12 / 2006

Signature Yoshiyuki Kurokawa  
Name: Yoshiyuki KUROKAWA  
Date: 11 / 14 / 2006