



04-25-2006



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U.S. Department of Commerce  
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Attorney Docket No. 09108.0010  
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To the Honorable Commissioner of Patents and Trademarks  
Please record the attached original document.

I. BOX ASSIGNMENTS RECORDATION  
/ICES

<p>1. Name of conveying party(ies):</p> <p style="text-align: center;"><b>Mutsumi OKAJIMA</b></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <b>KABUSHIKI KAISHA TOSHIBA</b></p>				
<p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>					
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other:</p>	<p>Street Address: <b>1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan</b></p> <p>City:</p> <p>State:      Zip Code:</p>				
<p>Execution Date: <b>January 23, 2006</b></p> <p style="text-align: right;"><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p>					
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:</p> <table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p>A. Patent Application Number(s):</p> <p style="text-align: center;"><b>11/332,153</b></p> </td> <td style="width:50%; vertical-align: top;"> <p>B. Patent Number(s):</p> </td> </tr> <tr> <td colspan="2" style="text-align: right;"> <p>Additional numbers attached? <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p> </td> </tr> </table>		<p>A. Patent Application Number(s):</p> <p style="text-align: center;"><b>11/332,153</b></p>	<p>B. Patent Number(s):</p>	<p>Additional numbers attached? <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p>	
<p>A. Patent Application Number(s):</p> <p style="text-align: center;"><b>11/332,153</b></p>	<p>B. Patent Number(s):</p>				
<p>Additional numbers attached? <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p>					
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>Mr. Ernest F. Chapman</b></p> <p>Internal Address: <b>FINNEGAN, HENDERSON, FARABOW, GARRETT &amp; DUNNER, L.L.P.</b></p> <p>Street Address: <b>901 New York Avenue, NW</b></p> <p>City: <b>Washington, D.C.</b></p> <p>State:      Zip: <b>20001-4413</b></p>	<p>6. Total number of applications and registrations involved:</p> <p style="text-align: center;">1</p> <p>7. Total fee (37 CFR 3.41): \$40</p> <p><input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account)</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p>				
<p>8. Deposit Account No.: <b>06-0916</b></p>					
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 30%;"> <p>Richard V. Burgujian Reg. No. 31,744</p> </div> <div style="width: 30%; text-align: center;">   <p>Signature</p> </div> <div style="width: 30%; text-align: right;"> <p>April 20, 2006 Date</p> </div> </div> <p style="text-align: center; margin-top: 10px;">Total number of pages including cover sheet, attachments and documents: 3</p>					

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JOINT INVENTION  
(U.S. Rights Only)

**ASSIGNMENT**

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

**SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME**

for which we executed an application for United States Letters Patent concurrently herewith or on or filed an application for United States Letters Patent on (Application No. ); and

WHEREAS, Kabushiki Kaisha Toshiba, a corporation of Japan, whose post office address is 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 11/332,153 , filed January 17, 2006) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

**First Assignor**

Mutsumi OKAJIMA  
c/o Intellectual Property Division, Toshiba Corporation,  
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN

Citizenship: Japanese

Signature: Mutsumi Okajima

Date: January 23, 2006