

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tadahiro Ishizaka</td> <td>03/30/2009</td> </tr> <tr> <td>Shigeru Mizuno</td> <td>03/31/2009</td> </tr> <tr> <td>Satohiko Hoshino</td> <td>03/30/2009</td> </tr> <tr> <td>Hiroyuki Nagai</td> <td>03/30/2009</td> </tr> <tr> <td>Yuki Chiba</td> <td>03/30/2009</td> </tr> <tr> <td>Frank M. Cerio Jr.</td> <td>03/30/2009</td> </tr> </tbody> </table>		Name	Execution Date	Tadahiro Ishizaka	03/30/2009	Shigeru Mizuno	03/31/2009	Satohiko Hoshino	03/30/2009	Hiroyuki Nagai	03/30/2009	Yuki Chiba	03/30/2009	Frank M. Cerio Jr.	03/30/2009
Name	Execution Date														
Tadahiro Ishizaka	03/30/2009														
Shigeru Mizuno	03/31/2009														
Satohiko Hoshino	03/30/2009														
Hiroyuki Nagai	03/30/2009														
Yuki Chiba	03/30/2009														
Frank M. Cerio Jr.	03/30/2009														
RECEIVING PARTY DATA															
Name:	Tokyo Electron Limited														
Street Address:	Akasaka Biz Tower, 3-1 Akasaka 5-chome														
City:	Minato-ku, Tokyo														
State/Country:	JAPAN														
Postal Code:	107-6325														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12414917</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12414917										
Property Type	Number														
Application Number:	12414917														
CORRESPONDENCE DATA															
Fax Number:	(480)539-2100														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	4805392106														
Email:	audunn.ludviksson@us.tel.com														
Correspondent Name:	Audunn Ludviksson														
Address Line 1:	4350 W Chandler Blvd														
Address Line 2:	Suite 10														
Address Line 4:	Chandler, ARIZONA 85226														
ATTORNEY DOCKET NUMBER:	TTCA-299														

CH \$40.00 12414917

NAME OF SUBMITTER:

Audunn Ludviksson

Total Attachments: 2

source=TTCA-299_Assignment#page1.tif

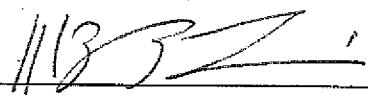
source=TTCA-299_Assignment#page2.tif

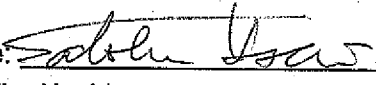
ASSIGNMENT OF INVENTION AND PATENTS THEREON

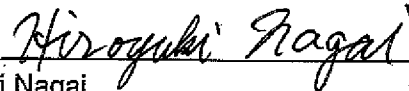
For valuable consideration, I/we, Tadahiro Ishizaka, Shigeru Mizuno, Satohiko Hoshino, Hiroyuki Nagai, Yuki Chiba, and Frank M. Cerio, Jr. hereby assign to Tokyo Electron Limited, a Corporation of Japan and having a place of business at Akasaka Biz Tower, 3-1 Akasaka 5-chome, Minato-ku, Tokyo 107-6325, Japan, and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application of United States Patent entitled SELECTIVE DEPOSITION OF METAL-CONTAINING CAP LAYERS FOR SEMICONDUCTOR DEVICES, and filed on 03/31/2009 as Patent Application No. 12/414917 preparatory to obtaining Letters Patent of the United States therefore, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substituted therefore, 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 authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for myself and my 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. I hereby authorize and request that any one of the attorneys or agents of Tokyo Electron U.S. Holdings, 2400 Grove Boulevard, Austin, Texas 78741, to insert herein the filing date and application serial number of said application when known.

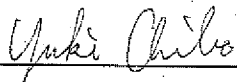
Inventor's Signature: Tadahiro Ishizaka Date: Mar. 30/09
Full Name: Tadahiro Ishizaka
Residence: 3207-3, Yamamiya-cho, Kofu-city, Yamanashi 400-0075, Japan

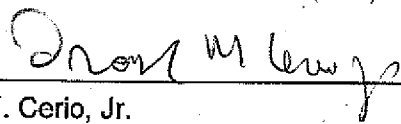
Attorney Docket No. TTCA-299

Inventor's Signature:  Date: Mar/31/09SM
Full Name: Shigeru Mizuno
Residence: 16 Mansion Blvd., Apt. G, Delmar, NY 12054, USA

Inventor's Signature:  Date: 02/25/09
Full Name: Satohiko Hoshino
Residence: 60 Mansion Blvd, Delmar, NY 12054, USA

Inventor's Signature:  Date: 3/30/2009
Full Name: Hiroyuki Nagai
Residence: 1F Treasure Lane, Clifton Park, NY 12065, USA

Inventor's Signature:  Date: Mar/30/2009
Full Name: Yuki Chiba
Residence: 2807 Oak Hill Circle, Rossetta, NY 12149, USA

Inventor's Signature:  Date: 3/30/09
Full Name: Frank M. Cerio, Jr.
Residence: 594 Krumkill Rd., Albany, NY 12203, USA