

PATENT ASSIGNMENT

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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>Yasushi Akasaka</td> <td>05/20/2008</td> </tr> <tr> <td>Noriaki Fukiage</td> <td>05/20/2008</td> </tr> <tr> <td>Yoshihiro Kato</td> <td>05/20/2008</td> </tr> <tr> <td>Kazuhide Hasebe</td> <td>05/20/2008</td> </tr> <tr> <td>Pao-Hwa Chou</td> <td>05/20/2008</td> </tr> </tbody> </table>		Name	Execution Date	Yasushi Akasaka	05/20/2008	Noriaki Fukiage	05/20/2008	Yoshihiro Kato	05/20/2008	Kazuhide Hasebe	05/20/2008	Pao-Hwa Chou	05/20/2008
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Kazuhide Hasebe	05/20/2008												
Pao-Hwa Chou	05/20/2008												
RECEIVING PARTY DATA													
Name:	Tokyo Electron Limited												
Street Address:	3-1 Akasaka 5-chome, Minato-ku												
City:	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>12130296</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12130296								
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CORRESPONDENCE DATA													
Fax Number:	(216)579-6073												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	216-579-1700												
Email:	cdavis@pearne.com												
Correspondent Name:	PEARNE & GORDON LLP												
Address Line 1:	1801 EAST 9TH STREET												
Address Line 2:	SUITE 1200												
Address Line 4:	CLEVELAND, OHIO 44114-3108												
ATTORNEY DOCKET NUMBER:	MAPS-43827												
NAME OF SUBMITTER:	Michael W. Garvey												

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Total Attachments: 3

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Pearne & Gordon Docket No. MAPS-43827**ASSIGNMENT**

WHEREAS, new and useful improvements have been made by the undersigned in

METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office.

for which an application for Letters Patent of the United States was filed on _____, which application is identified by Serial No. _____.

WHEREAS, **TOKYO ELECTRON LIMITED**, a corporation of Japan, having a place of business at **3-1 Akasaka 5-chome, Minato-ku, Tokyo 107-6325 Japan**, hereinafter referred to as "assignees", are desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignees, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignees' request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignees, its successors or assigns, any improvement,

(3) Inventor Name: Yoshihiro KATO
 Signature: *Yoshihiro Kato* ←
 Today's Date: May 20, 2008
 Witness: _____
 Witness: _____

(4) Inventor Name: Kazuhide HASEBE ←
 Signature: *Kazuhide Hasebe*
 Today's Date: May 20, 2008
 Witness: _____
 Witness: _____

(5) Inventor Name: Pao-Hwa CHOU ←
 Signature: *Pao-Hwa Chou*
 Today's Date: May 20, 2008
 Witness: _____
 Witness: _____

**Last Page of Document