

## 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>Nobuhiro Ogata</td><td>05/25/2011</td></tr><tr><td>Shuichi Nagamine</td><td>05/25/2011</td></tr><tr><td>Kenji Kiyota</td><td>05/25/2011</td></tr></tbody></table>	Name	Execution Date	Nobuhiro Ogata	05/25/2011	Shuichi Nagamine	05/25/2011	Kenji Kiyota	05/25/2011	
Name	Execution Date								
Nobuhiro Ogata	05/25/2011								
Shuichi Nagamine	05/25/2011								
Kenji Kiyota	05/25/2011								
RECEIVING PARTY DATA									
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Street Address:	3-1 Akasaka 5-chome								
Internal Address:	Minato-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	107-6325								
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>13161275</td></tr></tbody></table>	Property Type	Number	Application Number:	13161275					
Property Type	Number								
Application Number:	13161275								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=TEL-11014US-Assignment#page1.tif source=TEL-11014US-Assignment#page2.tif									

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PATENT  
REEL: 026462 FRAME: 0689

## ASSIGNMENT

WHEREAS We, Nobuhiro OGATA, Shuichi NAGAMINE and Kenji KIYOTA of c/o TOKYO ELECTRON KYUSHU LIMITED, 1-1 Fukuhara, Koshi City, Kumamoto 861-1116, Japan (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in:

FLOW PASSAGE SWITCHING APPARATUS, PROCESSING APPARATUS,  
FLOW PASSAGE SWITCHING METHOD, PROCESSING METHOD AND STORAGE  
MEDIUM,

which claims priority to Japanese Application No. 2010-141921, filed on June 22, 2010,  
and for which we are about to file or have filed an application for Letters Patent of the United  
States;

AND WHEREAS, **TOKYO ELECTRON LIMITED** (hereinafter referred to as  
"ASSIGNEE"), a corporation organized and existing under the laws of the Country of Japan,  
having a place of business at 3-1 Akasaka 5-chome, Minato-ku, Tokyo 107-6325, Japan, is  
desirous of acquiring an interest in the United States and all foreign countries, in and to the  
said invention and Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for  
good and valuable consideration, the receipt of which is hereby acknowledged, We, the said  
ASSIGNORS, have assigned and transferred, and hereby assign and transfer unto the said  
ASSIGNEE, the entire right, title and interest in and to said invention in the United States and  
in all foreign countries, including priority rights, as fully set forth and described in said  
application; and We do hereby authorize and request the Commissioner of Patents to issue  
said Letters Patent on said application, and any and all Letters Patent that may be issued upon  
any and all revivals, re-filings, continuations, continuations-in-part, divisions and reissues  
thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the  
same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do  
hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention  
and that We will execute all papers necessary in connection with the United States and  
foreign applications when called upon to do so by the said ASSIGNEE, its successors or  
assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and

cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: May 25, 2011

Nobuhiro Ogata L.S.  
Nobuhiro OGATA

Date: May 25, 2011

Shuichi Nagamine L.S.  
Shuichi NAGAMINE

Date: May 25, 2011

Kenji Kiyota L.S.  
Kenji KIYOTA