

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>XINKANG TIAN</td> <td>03/25/2008</td> </tr> <tr> <td>MANUEL MADRIAGA</td> <td>03/26/2008</td> </tr> <tr> <td>CHING-LING MENG</td> <td>03/26/2008</td> </tr> <tr> <td>MIHAIL MIHALOV</td> <td>03/25/2008</td> </tr> </tbody> </table>		Name	Execution Date	XINKANG TIAN	03/25/2008	MANUEL MADRIAGA	03/26/2008	CHING-LING MENG	03/26/2008	MIHAIL MIHALOV	03/25/2008
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MANUEL MADRIAGA	03/26/2008										
CHING-LING MENG	03/26/2008										
MIHAIL MIHALOV	03/25/2008										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Tokyo Electron Limited										
<b>Street Address:</b>	3-6 Akasaka 5-chome										
<b>City:</b>	Tokyo										
<b>State/Country:</b>	JAPAN										
<b>Postal Code:</b>	107-6325										
<b>PROPERTY NUMBERS Total: 1</b>											
<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>12057346</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12057346						
Property Type	Number										
Application Number:	12057346										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(480)539-2100										
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<b>NAME OF SUBMITTER:</b>	Manuel Barroga Madriaga										

**CH \$40.00 12057346**

Total Attachments: 2


**500499059**


**PATENT  
 REEL: 020715 FRAME: 0423**

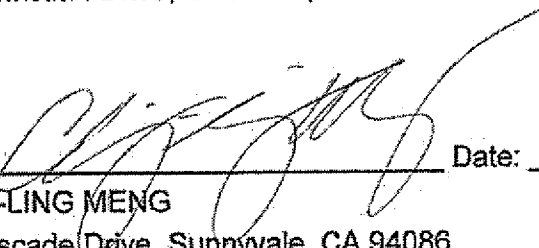
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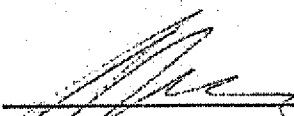
ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, I/we, XINKANG TIAN, MANUEL MADRIAGA, CHING-LING MENG, and MIHAIL MIHALOV, 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 "PROCESS CONTROL USING AN OPTICAL METROLOGY SYSTEM OPTIMIZED WITH SIGNAL CRITERIA", and filed on 03/27/2008 as Patent Application No. 12757346, 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:  Date: 3/25/2008  
Full Name: XINKANG TIAN  
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Inventor's Signature:  Date: 3/26/2008  
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Inventor's Signature:  Date: 3-28-08  
Full Name: CHING-LING MENG  
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Inventor's Signature:  Date: 03/25/08  
Full Name: MIHAIL MIHALOV  
Residence: 5238 Macaw Court, San Jose, CA 94086