

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>Sanjeev Kaushal</td> <td>11/07/2012</td> </tr> <tr> <td>Sukesh Janubhai Patel</td> <td>10/29/2012</td> </tr> <tr> <td>Wolfgang Polak</td> <td>10/29/2012</td> </tr> <tr> <td>Aaron Archer Waterman</td> <td>10/29/2012</td> </tr> <tr> <td>Orion Wolfe</td> <td>10/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sanjeev Kaushal	11/07/2012	Sukesh Janubhai Patel	10/29/2012	Wolfgang Polak	10/29/2012	Aaron Archer Waterman	10/29/2012	Orion Wolfe	10/29/2012
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Orion Wolfe	10/29/2012												
RECEIVING PARTY DATA													
Name:	Tokyo Electron Limited												
Street Address:	Akasaka Biz Tower												
Internal Address:	3-1 Akasaka 5-chome, 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>13673306</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13673306								
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CORRESPONDENCE DATA													
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 216-696-8730 Email: epas@thepatentattorneys.com Correspondent Name: TUROCY & WATSON, LLP Address Line 1: 127 Public Square Address Line 2: 57th Floor, Key Tower Address Line 4: CLEVELAND, OHIO 44114</p>													
ATTORNEY DOCKET NUMBER:	ELECP108US												

OP \$40.00 13673306

NAME OF SUBMITTER:

Thomas E. Watson

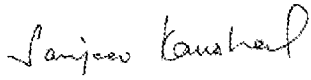
Total Attachments: 2

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ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, I/we, Sanjeev Kaushal, Sukesh Janubhai Patel, Wolfgang Polak, Aaron Archer Waterman and Orion Wolfe 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 METHOD AND APPARATUS FOR AUTONOMOUS TOOL PARAMETER IMPACT IDENTIFICATION SYSTEM FOR SEMICONDUCTOR MANUFACTURING, and filed on 11/09/2012 as Patent Application No. 13/673,306 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 of 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 Holdings, 2400 Grove Boulevard, Austin, Texas 78741, to insert herein the filing date and application serial number of said application when know.**

Inventor's Signature:  Date: 11/07/12

Full Name: Sanjeev Kaushal

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Inventor's Signature: Sukesh Patel Date: Oct 29, 2012

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Inventor's Signature: W Polak Date: Oct 29, 2012

Full Name: Wolfgang Polak

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Inventor's Signature: Aaron Archer Waterman Date: 10/29/2012

Full Name: Aaron Archer Waterman

Residence: 1885 California Street, Apt. 64
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Inventor's Signature: Orion Wolfe Date: 10/29/2012

Full Name: Orion Wolfe

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