

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the name of the Assignee on the Recordation incorrectly listed as TEL Epion Inc. previously recorded on Reel 023468 Frame 0967. Assignor(s) hereby confirms the correct Assignee is Tokyo Electron Limited, as shown on the executed Assignment document.												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Frank M. Cerio Jr.</td> <td>10/26/2009</td> </tr> <tr> <td>Shigeru Mizuno</td> <td>10/26/2009</td> </tr> </tbody> </table>		Name	Execution Date	Frank M. Cerio Jr.	10/26/2009	Shigeru Mizuno	10/26/2009						
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CORRESPONDENCE DATA													
<p>Fax Number: (513)241-6234 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 513-241-2324 Email: kdavidson@whepatent.com Correspondent Name: Kristi L. Davidson Address Line 1: 441 Vine Street Address Line 2: 2700 Carew Tower Address Line 4: Cincinnati, OHIO 45202</p>													
ATTORNEY DOCKET NUMBER:	TTCA-301												
NAME OF SUBMITTER:	Debbie C. Goodman												

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PATENT
REEL: 023662 FRAME: 0614

Total Attachments: 5

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D:KRISTI L. DAVIDSON COMPA :441 VINE STREET

PATENT ASSIGNMENT

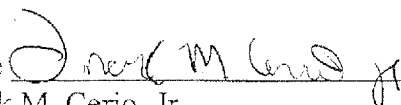
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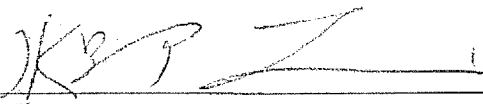
SUBMISSION TYPE:	NEW ASSIGNMENT										
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NAME OF SUBMITTER:	Debbie C. Goodman										
Total Attachments: 2 source=TTCA-301_Executed_TEL_Assignment#page1.tif source=TTCA-301_Executed_TEL_Assignment#page2.tif											

OP \$40.00 12571162

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, **Frank M. Cerio, Jr., Shigeru Mizuno**, 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"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for U.S. Patent entitled **METHODS FOR MULTI-STEP COPPER PLATING ON A CONTINUOUS RUTHENIUM FILM IN RECESSED FEATURES**, and filed on September 30, 2009 as Patent Application No. 12/571,162 preparatory to obtaining Letters Patent of the U.S. therefor, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substitute therefor, any and all U.S. 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 our 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 ourselves and our respective 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. **We hereby authorize and request any one of the attorneys of Wood, Herron & Evans, L.L.P., 2700 Carew Tower, 441 Vine Street, Cincinnati, OH 45202, to insert herein the filing date and application serial number of said application when known.**

Inventor's Signature  Date 10/26/09
Full Name: Frank M. Cerio, Jr.
Residence: Albany, New York

Inventor's Signature  Date 10/26/09
Full Name: Shigeru Mizuno
Residence: Delmar, New York