

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Asao Yamashita</td><td>09/13/2007</td></tr><tr><td>Daniel J Prager</td><td>09/13/2007</td></tr><tr><td>Merritt Funk</td><td>09/12/2007</td></tr><tr><td>Lee Chen</td><td>09/14/2007</td></tr><tr><td>Radha Sundararajan</td><td>09/12/2007</td></tr></tbody></table>	Name	Execution Date	Asao Yamashita	09/13/2007	Daniel J Prager	09/13/2007	Merritt Funk	09/12/2007	Lee Chen	09/14/2007	Radha Sundararajan	09/12/2007	
Name	Execution Date												
Asao Yamashita	09/13/2007												
Daniel J Prager	09/13/2007												
Merritt Funk	09/12/2007												
Lee Chen	09/14/2007												
Radha Sundararajan	09/12/2007												
RECEIVING PARTY DATA													
Name:	Tokyo Electron Limited												
Street Address:	TBS Broadcast Center,3-6 Akasaka 5-chome												
City:	Minato-ku, Tokyo												
State/Country:	JAPAN												
Postal Code:	107-8481												
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>11859596</td></tr></tbody></table>	Property Type	Number	Application Number:	11859596									
Property Type	Number												
Application Number:	11859596												
CORRESPONDENCE DATA													
Fax Number:	(480)539-2100												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	4805392105												
Email:	jim.kleotka@us.tel.com												
Correspondent Name:	James Kleotka												
Address Line 1:	4350 W. Chandler Blvd, Suite 10												
Address Line 4:	Chandler, ARIZONA 85226												
ATTORNEY DOCKET NUMBER:	ES-132												
NAME OF SUBMITTER:	James Kleotka												

CH \$40.00 11859596

500359710

PATENT
REEL: 019862 FRAME: 0437

Total Attachments: 3

source=ES-132_PRI_assign2#page1.tif

source=ES-132_PRI_assign2#page2.tif

source=ES-132_PRI_assign2#page3.tif

PATENT

REEL: 019862 FRAME: 0438

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, I/we, **Asao Yamashita, Merritt Funk, Daniel J. Prager, Lee Chen, and Radha Sundararajan**, hereby assign to **Tokyo Electron Limited**, a Corporation of Japan and having a place of business at **TBS Broadcast Center, 3-6 Akasaka 5-chome, Minato-Ku, Tokyo 107-8481 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 Creating a Spacer-Optimization Evaluation Library**, and filed on ^{09/21/}~~2006~~ as Patent Application No. ~~11/859594~~ 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: Asao Yamashita Date: 9/13/07
 Full Name: Asao Yamashita
 Residence: 734 Huntington Drive, Fishkill, New York 12524 USA

Inventor's Signature: _____ Date: _____

Full Name: Merritt Funk

Residence: 8412 Silver Mountain Cove, Austin, Texas 78737 USA

Inventor's Signature:  _____ Date: 9/13/07

Full Name: Daniel J. Prager

Residence: 89 Shagbark Lane, Hopewell Junction, New York 12533

Inventor's Signature: _____ Date: _____


Full Name: Lee Chen

Residence: 383 Colorado Drive, Cedar Creek, Texas 78612 USA

Inventor's Signature: _____ Date: _____

Full Name: Radha Sundararajan

Residence: 149 Catfish Cove, Dripping Springs, Texas 78620 USA

Inventor's Signature:  Date: 9/12/07

Full Name: Merritt Funk

Residence: 8412 Silver Mountain Cove, Austin, Texas 78737 USA

Inventor's Signature: _____ Date: _____

Full Name: Daniel J. Prager

Residence: 89 Shagbark Lane, Hopewell Junction, New York 12533

Inventor's Signature:  Date: 9/14/07

Full Name: Lee Chen

Residence: 383 Colorado Drive, Cedar Creek, Texas 78612 USA

Inventor's Signature:  Date: 9/12/07

Full Name: Radha Sundararajan

Residence: 149 Catfish Cove, Dripping Springs, Texas 78620 USA