

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Anthony Dip	03/28/2006
Eric J. Malstrom	03/28/2006
RECEIVING PARTY DATA	
Name:	Tokyo Electron Limited
Street Address:	3-6 Akasaka 5-Chome
Internal Address:	TBS Broadcast Center
City:	Minato-Ku, Tokyo
State/Country:	JAPAN
Postal Code:	107
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11277814
CORRESPONDENCE DATA	
Fax Number:	(513)241-6234
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	5132412324
Email:	wallen@whepatent.com
Correspondent Name:	Wood, Herron & Evans, L.L.P.
Address Line 1:	441 Vine Street
Address Line 2:	2700 Carew Tower
Address Line 4:	Cincinnati, OHIO 45202-2917
ATTORNEY DOCKET NUMBER:	TPS-033-259
NAME OF SUBMITTER:	William R. Allen
Total Attachments: 1 source=TPS-033_Assignment#page1.tif	

OP \$40.00 11277814

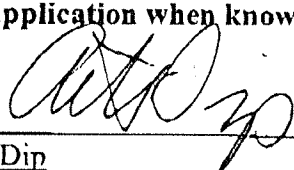
**PATENT**

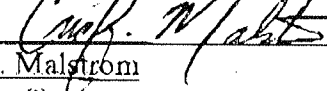
**500088891**

**REEL: 017381 FRAME: 0780**

## ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, **Anthony Dip** and **Eric J. Malstrom**, 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 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 United States Patent entitled **THERMAL PROCESSING FURNACE, GAS DELIVERY SYSTEM THEREFOR, AND METHODS FOR DELIVERING A PROCESS GAS THERETO**, and filed on 3/29/06 as Patent Application No. 11/277814 preparatory to obtaining Letters Patent of the United States therefor, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substitute therefor, 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 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 Vinc Street, Cincinnati, OH 45202, to insert herein the application serial number of said application when known.

Inventor's Signature  Date 03/28/06  
Full Name: Anthony Dip  
Residence: Cedar Creek, Texas

Inventor's Signature  Date 03/28/06  
Full Name: Eric J. Malstrom  
Residence: Austin, Texas