

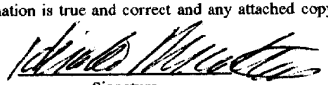


## U.S. PATENT AND TRADEMARK OFFICE

Form PTO-1595 1-31-92		08-17-1998		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
MRD				HEET	
8-7-98		100794550			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying parties: Mitsuki KOMINO; Osamu UCHISAWA; and Yasuhiro CHIBA			2. Name and address of receiving party(ies):		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no			2a. Name: TOKYO ELECTRON LIMITED Street Address: 3-6, Akasaka 5-chome Minato-ku, Tokyo-to, JAPAN		
3. Name of Conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____			2b. Name: _____ Street Address: _____		
Execution Date: July 30, 1998			Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
4. Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution date of the application is: July 30, 1998					
A. Patent Application No.(s): 09/130668			B. Patent No.(s): _____		
Additional numbers attached? <input type="checkbox"/> yes <input type="checkbox"/> no					
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Hisako Muramatsu, Esq. Internal Address: GRAHAM & JAMES LLP  Street Address: 801 S. Figueroa St., 14th Flr.  City: Los Angeles State: CA ZIP 90017-5554			6. Total number of applications and patents involved: ONE  7. Total fee (37 CFR 3.41):.....\$ 40.00  <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: _____  (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
Hisako Muramatsu Name of Person Signing		 Signature		August 7, 1998 Date	
Total number of pages comprising copy sheet, attachments and document: 2					
OMB No. 0651-0011 (exp. 4/94)					
Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents Box Assignment Washington, D.C. 20231					

ASSIGNMENT

The undersigned in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to the undersigned, agrees to assign, and hereby does assign, transfer and set over to

TOKYO ELECTRON LIMITED

with a principle place of business at  
3-6, Akasaka 5-chome, Minato-ku, Tokyo-to, Japan

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the application for patent filed in the United States of America entitled  
Method and System for Controlling Gas System,

and all continuations, reissues and divisionals thereof.

(1) The undersigned agrees to execute all papers necessary in connection with the application and any continuing, reissue or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

(2) The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

(3) The undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

(4) The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

(5) The undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.

(6) The undersigned hereby grants DAVID L. FEHRMAN, Registration No. 28,600; DAVID L. HENTY, Registration No. 31,323; WILLIAM J. ROBINSON, Registration No. 29,430; STUART L. MERKADEAU, Registration No. 33,262; DAVID B. ABEL, Registration No. 32,394; HISAKO MURAMATSU, Registration No. 34,955; BRIAN M. BERLINER, Registration No. 34,549; DAVID J. MEYER, Registration No. 33,425; VINCENT J. BELUSKO, Registration No. 30,820; VICTOR DE GYARFAS, Registration No. 40,583; JONATHAN L. PETTIT; Registration No. 40,770; and Dennis R. GALLAGHER, Reg. No. 42,563, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: July 30, 1998 Mitsuaki Komino  
(Inventor's name) Mitsuaki KOMINO

Date: July 30, 1998 Osamu Uchisawa  
(Inventor's name) Osamu UCHISAWA

Date: July 30, 1998 Yasuhiro Chiba  
(Inventor's name) Yasuhiro CHIBA

Date: \_\_\_\_\_  
(Inventor's name)