

117 581-00

08-02-2001

09/868645  
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

18 Rec'd PCT/PTO 2 8 JUN 2001

Please record the attached

To the Honorable Commissionere  
original documents or copy th



101797425

1. Name of conveying party(ies):

Chihiro TAGUCHI  
Ryo NONAKA

6/28/01

2. Name and address of receiving  
party(ies):

TOKYO ELECTRON LIMITED

3-6 Akasaka 5-chome, Minato-ku, Tokyo  
107-8481, Japan

Additional name(s) of conveying party(ies)  
attached?  Yes  No

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Additional name(s) & address(es) attached?  
 Yes  No

09/868645

Execution Date: June 14, 2001 and June  
14, 2001

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: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom  
correspondence concerning document  
should be mailed:

6. Total number of applications and  
patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed
- Authorized to be charged to deposit  
account

8. Deposit account number: 15-0030

(Attach duplicate copy of this page if  
paying by deposit account)



22850

07/03/2001 UEDUVIJE 00000171 09868645

02 FC:581

40.00

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.

*Surinder Sachar*

6-28-01

Marvin J. Spivak  
Registration No. 24,913

Surinder Sachar  
Registration No. 34,423

Date  
Total number of pages including cover  
sheet: 3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion  
Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded,  
including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover  
sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information  
Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project,  
(0651-0011), Washington, D.C. 20503

PATENT

REEL: 012022 FRAME: 0113

# A S S I G N M E N T

In consideration of value received, I, having a mailing address at  
 c/o Intellectual Property Dept., TOKYO ELECTRON LIMITED,  
 3-6 Akasaka 5-chome, Minato-ku, Tokyo 107-8481, Japan and a residence as  
 stated below next to my name, the sole inventor (if only one name is listed  
 below) or a joint inventor (if plural inventors are listed below) of an  
 invention described in an application for United States patent entitled:

LOWER ELECTRODE STRUCTURE AND A PLASMA PROCESSING APPARATUS USING  
 THE SAME

said application having been filed on \_\_\_\_\_  
 and assigned Application No. \_\_\_\_\_ ;  
 sell and assign to  
 TOKYO ELECTRON LIMITED  
 a corporation of Japan, having a business address at  
 3-6 Akasaka 5-chome, Minato-ku, Tokyo 107-8481, Japan

its successors, assigns or nominees, hereinafter referred to as  
 "Assignee", my entire right, title and interest in and to said invention  
 as disclosed, shown and described in said application for United States  
 patent: (check one)

executed concurrently herewith;

executed separately herefrom;

and in and to all applications for patent and patents for said invention,  
 in all countries of the world, including all divisions, reissues, contin-  
 uations, substitutions and extensions thereof and all rights arising  
 under or pursuant to any and all international agreements, treaties or  
 laws relating to the protection of industrial property, including rights  
 of priority, resulting from the filing of any of said applications;  
 and I authorize and request any official whose duty is to issue patents,  
 to issue any patent on said invention or resulting therefrom to said  
 Assignee, and I agree that on request and without further consideration,  
 but at the expense of said Assignee, I will communicate to said Assignee  
 or its representatives all facts known to me respecting said invention  
 and testify in any legal proceeding, sign all lawful papers, execute all  
 divisional, continuing, reissue, or other applications, make all rightful  
 oaths and declarations, and generally do everything possible to aid said  
 Assignee to obtain and enforce proper patent protection for said  
 invention in all countries.

I hereby grant the following law firm the power to insert on this Assi-  
 gnment any further identification which may be necessary or desirable in  
 order to comply with the Rules of the U. S. Patent and Trademark Office  
 for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P. C., Fourth Floor, 1755  
 Jefferson Davis Highway, Arlington, Virginia 22202

**PATENT**

REEL: 012022 FRAME: 0114

ASSIGNMENT

99S0640P1

Inventor: (Signature)

Date

Residence

*Chihiro Taguchi*

June 14, 2001

Kofu-shi, Japan

Chihiro Taguchi

*Ryo Nonaka*

June 14, 2001

Nakakoma-gun, Japan

Ryo Nonaka

RECORDING OFFICER:

After recording please return to:  
Oblon, Spivak, McClelland,  
Maier & Neustadt, P.C.,

Fourth Floor,  
1755 Jefferson Davis Highway,  
Arlington, Virginia 22202

PATENT

RECORDED: 06/28/2001

REEL: 012022 FRAME: 0115