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j	100794 RECORDATION COVE	R SHEET - <u>BOX ASSIGNMENT</u>			
To the	Honorable Commissioner of Patents Please record the attached origin		0		
1.	Name(s) of Conveying Party(ies):				
2.	Name(s) and Address(es) of Receiving Party(ies): Tokyo Electron Limited 3-6, Akasaka 5-Chome, Minato-Ku, Tokyo-To, JAPAN				
3.	Nature of Conveyance: Execution Date:	Assignment July 30, 1998			
4A.	Patent Application No.(s): Application Execution Date:	To be assigned 09/12 July 30, 1998	9752		
4B.	Patent No.(s):				
	Should Be Mailed: Beveridge, DeGrandi, Weilacher & Young, L.L.P. Suite 800, 1850 M Street N.W., Washington, D.C. 20036 (202) 659-2811 Attorney Docket No.: 77-55035/TOK02				
6.	Total Number of Applications and Patents involved:	ONE			
7.	Total Fee:	\$40.00			
M12/1998 PST/ NFC:581	neac(<u>(14400))4 09129759</u> (Enclosed: Please charge any de deposit acc ሎት ም	ficiency or refund any excess to c	ounsel's		
8.	Deposit Account No.: 02-4300				
	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. August 5, 1998				
	Dennis C. Rodgers, Registration I	No. 32,936	Date		
[Total Number of Pages (including cover sheet):	3			

ASSIGNMENT

inis assi	gnn	SUBSTRATE TREATMENT SYSTEM		
		DUDITALE TREMTACION OF STREET		
The PAT	ENT	RIGHTS referred to in this agreement are:		
		a patent application for this invention, executed by the ASSIGNOR(S)		
,		concurrently with this assignment.		
		U.S. patent application Serial No, filed		
		a U.S. patent application based on an International Application No		
		filed on (date) under the Patent		
		Cooperation Treaty.		
		U.S. patent Nossued		
		RIGHTS also include all divisions, reissues, continuations and extensions of		
•		patent applications identified above.		
		RIGHTS assigned under this agreement are:		
(check one)		U.S. patent rights only.		
		Worldwide patent rights. In this case, the assignee shall have the right to		
		claim the benefit of the filing date of any U.S. or foreign patent application		
		for this invention.		
		OR(S) referred to in this agreement is (or are) the inventor(s) whose		
		ar on page 2 of this Assignment and any Supplemental Sheet(s).		
		E referred to in this agreement is:		
(Name of As	sign	ee) TOKYO ELECTRON LIMITED Akasaka 5-Chome, Minato-Ku, Tokyo-To, Japan		
(Address)_3	-0,	Akasaka 3-Chome, Hindee ka, Tonjo 20, Car		
The ASSIGN		A.		
		an Individual.		
(Check dile)		A Partnership.		
		A Corporation of		
		other)		
	٠ ,	V(III)		
The ASS	IGN	OR(S), in consideration of \$1.00 paid by the ASSIGNEE, and other good and		
		ration, receipt of which is acknowledged, have and do hereby assign the		
		to the ASSIGNEE, its successors and assigns:		
		exclusive right to the invention;		
		ht, title and interest in and to the PATENT RIGHTS;		
		ue and recover for any past infringement; and,		
		laim priority under 35 USC 119, 35 USC 120, or any other applicable		
		ased on any earlier patent applications for this invention.		
As to all	U.S	. patent applications assigned under this agreement, the ASSIGNOR(S)		
hereby author	orize	(s) and request(s) the Commissioner of Patents and Trademarks to issue all		
Letters Pater	nt to	the ASSIGNEE as the assignee of the entire right, title and interest, for the		
sole use and	enj	byment of said ASSIGNEE, its successors and assigns.		

PATENT REEL: 9377 FRAME: 0990

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO	
ASSIGNEE: TOKYO ELECTRON LIMITED	
INVENTION TITLE: SUBSTRATE TREATMENT SYSTEM	

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Wataru OKASE	Matane Chast	July 30, 1998	
Name of sole or first inventor	Signature	Date	
Name of second inventor, if any	Signature	Date	
Name of third inventor, if any	Signature	Date	
Name of fourth inventor, if any	Signature	Date	
Name of fifth inventor, if any	Signature	Date	
Name of sixth inventor, if any	Signature	Date	
Name of seventh inventor, if any	Signature	Date	
Name of eighth inventor, if any	Signature	Date	
Name of ninth inventor, if any	Signature	Date	

9 1987, 1992 Beveridge, DeGrandi, Weilacher & Young

RECORDED: 08/05/1998

PATENT REEL: 9377 FRAME: 0991