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Tab settings ⇔⇔⇔ ▼ ▼ 1033	235162 Please Record the attached original documents or copy thereof.					
To the Honorable Commissioner of Patents and Trademarks: F	Please Record the attached original documents or copy thereof.					
Name of conveying party(ies): Shuhei Ogawa Rie Inazawa, acting on behalf of herself and as the legal representative of the inventor Koichiro Inazawa, deceased	2. Name and address of receiving party see Name: Tokyo Electron Limited MAY 0 8 2006 W					
3. Nature of conveyance: Assignment	Street Address: 3-6, Akasaka 5-Chome Minato-Ku, Tokyo-To JAPAN City: State: Zip: Additional Name(s) & address(es) attached? □ Yes ☑ No					
If this document is being filed together with a new application A. Patent Application No.(s) 10/522,569 Additional numbers atta	B. Patent No.(s)					
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1					
Name: Smith, Gambrell & Russell	7. Total foo (27 CED 2 44)					
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	To the Honorable Commissione. 1031666	96 attached original documents or copy thereof.				
م	Name of conveying party(ies): Shuhei Ogawa Koichiro Inazawa (deceased)	Name and address of receiving party(ies)				
2	Noichiro inazawa (deceased)	Name: Tokyo Electron Limited				
<u> </u>	Additional name of conveying party(ies) attached? ☐ Yes ☒ No	Internal Address:				
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	Nature of conveyance:	Street Address: 3-6, Akasaka 5-Chome				
	⊠ Assignment □ Merger	Minato-Ku, Tokyo-To JAPAN				
	☐ Security Agreement ☐ Change of Name	City:State:Zip:				
	☐ Other					
	Execution Date: November 1, 2005 and November 4, 2005	Additional Name(s) & address(es) attached? ☐ Yes ☒ No				
	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) 10/522,569					
	Additional numbers attached? ☐ Yes ☒ No					
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	Michael A. Makuch	November 17, 2005 Signature Date				
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ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

ETCHING METHOD

The P.	ATENT RIGH	TS referred to in the	is agreement are	::	
(check one)	□ a pate	nt application for th	is invention, exc	ecuted by the A	SSIGNOR(S)
		with this assignmen			
		patent application Se			
		patent application			
		P03/09941 filed or	1 <u>08-05-03</u> , U.S	. patent applica	ition Serial No.
		<u>2,569</u> (if known).			
	□ U.S. p	oatent No	, issued _	· · · · · · · · · · · · · · · · · · ·	
		TS also include all ons identified above.		es, continuation	ns and extensions of the
The P	ATENT RIGH	TS assigned under t	his agreement a	re:	
(check one)		oatent rights only.	υ		
					have the right to claim
	the benefit of	the filing date of ar	ly U.S. or foreig	n patent applic	ation for this invention.
The A	SSIGNOR(S)	referred to in this ag	greement are the	inventor(s) wh	ose signatures appear on
page 2 of this	Assignment a	nd any Supplementa	1 Sheet(s). This	Agreement is	signed by Rie
INAZAWA re	epresentative (wife) of the inventor	r, Koichiro Inaza	awa, deceased.	Mrs. Inazawa representa
that she is aut	horized to exec	cute this document o	on behalf of hers	elf and the inve	entor, as further
evidenced by	the attached do	ocuments.			
The A	SSIGNEE refe	rred to in this agree	ment is:		
(Name of As (Address)	signee)	3-6, Akas	ectron Limited aka 5-Chome u, Tokyo-To		
The As (check one)	☐ A Partnersl		pecify state or c	ountry)	

PATENT REEL: 017865 FRAME: 0660

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO TOKYO ELECTRON LIMITED

The ASSIGNOR(S), receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEES, their successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS:

the right to sue and recover for any past infringement; and,

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEES as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEES, their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEES, or their 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 ASSIGNEES, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEES, their 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.

Shuhei Ogawa	Shihei Ogawa	November 1, 2005
Name of sole or first inventor	Signature	Date
Koichiro Inazawa (deceased)		
Name of second inventor	Signature	Date

IN TESTIMONY WHEREOF, I have hereunto set my hand:

Rie Inazawa, acting on behalf of herself and as the legal representative of the inventor, Koichiro Inazawa, deceased

RECORDED: 11/17/2005

Date: November 4, 2005

PATENT REEL: 017865 FRAME: 0661