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Name of conveying party(ies): Nobutake NODERA Jun SATO	Name and address of receiving party(ies) Name: TOKYO ELECTRON LIMITED
Masanobu MATSUNAGA Kazuhide HASEBE	Street Address: 3-1, Akasaka 5-Chome, Minato-Ku, Tokyo, 107-6325 Japan
3. Nature of conveyance: Assignment	Additional Name(s) & address(es) attached? ☐ Yes ⊠ No
4. Application number(s) or patent number(s): A. Patent Application No.(s) 12/285,513 Additional numbers a	This document is being filed together with a new application. B. Patent No.(s) attached? ☐ Yes ☒ No
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: -1 -
Name: Michael A. Makuch Internal Address: SMITH, GAMBRELL & RUSSELL, LLP	7. Total fee (37 CFR 3.41) \$40.00 ☑ Enclosed ☐ Authorized to be charged to deposit account
Street Address: 1130 Connecticut Avenue - Suite 1130	8. Deposit account number: 02-4300
City: Washington State: DC Zip: 20036	(Attach duplicate copy of this page if paying by deposit account)
	SE THIS SPACE
 Statement and signature. To the best of my knowledge and belief, the foregoing information 	rmation is true and correct and any attached copy is a true copy

of the original document.

Michael A. Makuch

January 5, 2009

Date

Name of Person Signing Signature
Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:

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PATENT

REEL: 022080 FRAME: 0536

ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

FILM FORMATION APPARATUS AND METHOD FOR USING SAME

	The PA	ATENT	RIGHTS refer	erred to in this agreement are:		
check	one)			lication for this invention, executed by the ASSIGNOR(S)		
		concurrently with this assignment.				
				application Serial Nofiled		
				t application based on PCT International Application Nofiled		
				S. patent application Serial No, if known).		
			U.S. patent N	No, issued		
patents			RIGHTS also dications ident	o include all divisions, reissues, continuations and extensions of the ntified above.		
	The PA	ATENT	RIGHTS assi	igned under this agreement are:		
(check			U.S. patent ri			
`	ŕ		Worldwide pa	patent rights. In this case, the assignee shall have the right to claim		
		the ben	efit of the filir	ing date of any U.S. or foreign patent application for this invention.		
appear	on pag	e 2 of th	nis Assignmen	d to in this agreement is (or are) the inventor(s) whose signatures nt and any Supplemental Sheet(s).		
	The A	SSIGNE	EES referred to	to in this agreement are:		
(Name (Addre		signee)		Tokyo Electron Limited 3-1, Akasaka 5-chome Minato-Ku, Tokyo 107-6325 JAPAN		
				8		
(check			ndividual. artnership. orporation of _	JAPAN (specify state or country)		

PATENT REEL: 022080 FRAME: 0537

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.

Nobutake NODERA	hobutake hodera	Nov 18.208
Name of sole or first inventor	Signature	Date
Jun SATO	Jun Sato	Oct 20,2008
Name of second inventor	Signature	Date
Masanobu MATSUNAGA	Masanobu Matsunaga	08/10/17
Name of third inventor	Signature	Date
Kazuhide HASEBE	Kapuhide Haselie	2000/10/2/
Name of fourth inventor	Signature	Date /

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RECORDED: 01/05/2009