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To the Honorable Commissioner of Patent 1010715	hed original documents or copy thereof.					
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):					
Shigehiro HARA Eiji MURAKAMI	Name: KABUSHIKI KAISHA TOSHIBA					
Hitoshi HIGURASHI Toshio YAMAGUCHI Kazuto MATSUKI	Internal Address: Street Address: <u>1-1-1, Shibaura, Minato-ku</u>					
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<u>Kazuyuki OKUZONO</u> Additional name(s) of conveying party(ies) attached? <u>No</u>	City. Tokyo, State. Japan Zir.					
3. Nature of conveyance:	Additional name(s) & address(es) attached? No					
XX Assignment _ Merger _ Security Agreement _ Change of Name _ Other						
Execution Date: June 1, 1999						
4. Application number(s) or patent number(s):						
If this document is being filed together with a new applica A. Patent Application No.(s)	tion, the execution date of the application is: B. Patent No.(s)					
(09/275,186)						
Additional numbers	s attached? No					
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: $\underline{1}$					
Name: Glenn Law	7. Total fee (37 C.F.R. § 3.41) \$40.00					
Internal Address: FOLEY & LARDNER	<u>XX</u> Enclosed					
Street Address: 3000 K Street, N.W., Suite 500	_ Authorized to be charged to deposit account					
City: Washington, State: D.C. ZIP: 20007-5109	8. Deposit account number: 19-0741					
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information the original document. Glenn Law Name of Person Signing Signature	on is true and correct and any attached copy is a true copy of June 15, 1999 Date					
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PATENT

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto KABUSHIKI KAISHA TOSHIBA

name and address of assignce

1-1-1, Shibaura, Minato-ku Tokyo, JAPAN

thereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

title of Invention

ELECTRON BEAM EXPOSURE APPARATUS

	as set forth in this United States Patent Application		
check ons	executed concurrently herewith		
	executed on		
	Serial No09/275,186	Filed	March 23, 1999

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be gronted as fully and antirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue only and all such Letters Patent to said ASSIGNEE, its auccessors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, textify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS							
Name:	Shigehiro Hara		Signature:	Shigeher) tora	X	Date: 7:99
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NAMES AND SIGNATURES OF WITNESSES							
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Note: Prime facile evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

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