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	Auothey Docket No.: 041405-508.
To the Commissioner for Patents: Please record the attached original documents or copy thereof.	ATTN: BOX ASSIGNMENT
 Name of conveying party(ies): Ryuichiro MORIOKA Additional name(s) of conveying party(ies) attached? Yes X No 	2. Name and address of receiving party(ies): Name: Pioneer Corporation Internal Address:
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other Execution Date: June 23, 2000 4. Application number(s) or patent number(s):	Street Address: No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan City: State: Zip: Additional name(s) & address(es) attached? Yes X No
If this document is being filed together with a new application the end of th	execution date of the application is:
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: _1
Name: Mr. Robert J. Gaybrick Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629	7. Total fee (37 C.F.R §3.41):\$40.00 Enclosed X Authorized to be charged to deposit account 50-0310
Street Address: 1800 M Street, N.W. City: Washington State: D.C. Zip: 20036	8. Deposit account number: 50-0310 Attach duplicate of page if paying by deposit account
9. Statement and Signature To the best of my knowledge and belief, the foregoing inform the original document. John G. Smith	nation is true and correct and any attached copy is a true copy of June 30, 2000
Name of Person Signing Signature Signa	

ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

INFORMATION REPRODUCING APPARATUS AN			at invention entitled.
for which I/WE executed an application for United States Letters Patent on, (Serial N	States Letters Patent concurrently he No	rewith; or filed an a	application for United
WHEREAS, PIONEER CORPORATION address is No. 4-1 Meguro 1-chome, Megu	, a corporation o	of Japan	whose post office
address is No. 4-1 meguro 1-chome, megu	iro-ku, lokyo-to, Japan		
the entire right, title, and interest in and to this inv Letters Patent to be issue upon this application;	ention, the application for United Sta	red to as Assignee), ites Letters Patent o	is desirous of securing n this invention and the
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AND, I/WE HEREBY further covenant an assignee, its successors and assigns, any facts know all lawful papers when called upon to do so, execut to this invention in said assignee, its successors and rightful oaths and generally do everything possible protection for this invention in the United States, it shall be borne by the assignee, its successors and a AND, I/WE HEREBY authorize and requestionney in this application, to insert here in parent and application number of said application when known that the said application when known the said application when known that the said application when known the said application when the said applica	on to ME/US respecting this invention to ME/US respecting this invention to and deliver all papers that may be a sasigns, execute all divisional, control to aid assignee, its successors and as being understood that any expense is ssigns. The est the attorneys I/WE have empower theses (Application No	n and testify in any necessary or desiral inuation, and reissue signs, to obtain and neident to the execu	legal proceeding, sign ble to perfect the title e applications, make all enforce proper patent ation of such papers n and Power of
	Assignor's Signature	Date	
Ryuichiro MORIOKA	Ryvichiro Morioka	Jun	e 23, 2000
Address c/o Pioneer Corporation, So Fujimi, Tsurugashima-shi, Saitama-k		Citizensh	p Japanese
Full Name of Second Assignor	Assignor's Signature	Date	
Address		Citizensh	ip
Names of additional inventors attached [] Yes	s [×] No		

MORGAN, LEWIS & BOCKIUS

RECORDED: 06/30/2000

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