FORM PTO-1595 (Rev. 6-93) OR 07-10-200 10177145 To the Commissioner for Patents: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Toshiaki IZAWA	Attorney Docket No.: 041465-5105 ATTN: BOX ASSIGNMENT 2. Name and address of receiving party(ies):
Additional name(s) of conveying party(ies) attached? Yes X No	Name: PIONEER CORPORATION APR Internal Address:
3. Nature of conveyance: X Assignment Merger _ Security Agreement Change of Name _ Other Execution Date: March 23, 2001	Street Address: No. 4-1 Meguro 1-chome,
4. 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: March 23, 2001 A. Patent Application No.(s) 09/819,978 B. Patent No.(s)	
Additional numbers attached:Yes _X No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: John G. Smith Internal Address: Morgan, Lewis & Bockius LLP Customer No. 009629 Street Address: 1800 M Street, N.W. City: Washington State: D.C. Zip: 20036	 6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R §3.41): \$40.00 X Enclosed Authorized to be charged to deposit account 50-0310 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 information is true and correct and any attached copy is a true copy of the original document. John G. Smith Name of Person Signing Total number of pages including cover sheet, attachments and documents: 2	

PATENT REEL: 011948 FRAME: 0188

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled: INFORMATION REPRODUCING APPARATUS AND INFORMATION REPRODUCING METHOD for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on ______ (Serial No. ______); and WHEREAS, PIONEER CORPORATION, a corporation of Japan, whose post office address is No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application; NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment; AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns. AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _______ filed March 29,2001the filing date and application number of said application when known. IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s). Assignor's Signature Date Full Name of Sole or First Assignor March 23, 2001 Testinki Izaira Toshiaki IZAWA Address c/o Pioneer Corporation, Tokorozawa Works. Citizenship Hanazono 4-chome, Tokorozawa-shi, Saitama-ken, Japan Japanese Date Assignor's Signature Full Name of Second Assignor Citizenship Address

MORGAN, LEWIS & BOCKIUS

[x]No

WA01/194585.1

Names of additional inventors attached [] Yes

RECORDED: 07/05/2001

PATENT REEL: 011948 FRAME: 0189