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PATENTS ONLY			
	Attorney Docket No.: 041465-5158		
To the Commissioner for Patents			
Please record the attached original documents or copy the	reof. ATTN: BOX ASSIGNMENT		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
Kazuo KURODA 9-12-02	Name: PIONEER CORPORATION		
Additional names of conveying party(ies) attached? [] Yes [X] No	Internal Address:		
2 Nature of conveyances	Street Address: No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan City:		
3. Nature of conveyance:	State: Zip:		
[] M	Side. Zip.		
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other	Additional name(s) & address(es) attached?		
Execution Date:August 2, 2002	[]Yes [X] No		
4. New Application number(s) or patent number(s):			
A. Patent Application No.(s) 10/166,727 Additional numbers attached: [] Yes [] No	B. Patent No.(s)		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1		
Name: John G. Smith	7. Total fee (37 C.F.R. §3.41): <u>\$40.00</u>		
Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629	[] Enclosed [X] Authorized to be charged to Deposit Account 50-0310		
Street Address: 1111 Pennsylvania Avenue, N.W. City: Washington State: D.C. Zip: 20004	8. Deposit Account No. 50-0310 (Attach duplicate 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.			
Library C. Smith Box No. 22 919	Contambor 12, 2002		
John G. Smith - Reg. No. 33,818	September 12, 2002		
Name of Person Signing Signature	Date number of pages including cover sheet, attachments and documents: 2		
Total f	iumoei of pages meruumig cover sneet, attacimients and documents. 2		

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

ASSIGNMENT

·	cor(s), [hereinatter referred to as Assignor(s)], RATUS, METHOD OF CORRECTING REPI DIUM States Letters Patent concurrently herewith; of [o	RODUCING PROGRAM,	
WHEREAS, PIONEER CORPORATION address is No. 4-1 Meguro 1-chome, Meguro-ku, the entire right, title, and interest in and to this involventers Patent to be issue upon this application;	, a corporation of Japan (hereinafter referred to as ention, the application for United States Letter	Assignee), is desirous of securing ers Patent on this invention and the	
NOW THEREFORE, be it known that, for acknowledged, I/WE, as assignor(s), have sold, assigner unto the assignee, its lawful successors and assapplication, and all divisions, and continuations the and all reissues thereof; and I/WE hereby authorize to issue all Letters Patent for this invention to assig Assignment;	signs, MY/OUR entire right, title, and interest reof, and all Letters Patent of the United State and request the Commissioner of Patents and	y sell, assign, transfer, and set at in and to this invention and this tes which may be granted thereon, d Trademarks of the United States	
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. 10/166,727 , filed on June 12, 2002) the filing date and application number of said application when known.			
IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).			
Full Name of Sole or First Assignor Kazuo KURODA	Assignor's Signature Viazuw Kuroda	Date August 02 2002	
Address c/o Pioneer Corporation, Tokorozawa Works. No. 2610 Hanazono 4-chome, Tokorozawa-shi, Saitama-ken, Japan		Citizenship Japanese	
Full Name of Second Assignor	Assignor's Signature	Date	
Address		Citizenship	
Names of additional inventors attached [] Yes	[X] No		

MORGAN, LEWIS & BOCKIUS

RECORDED: 09/12/2002

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PATENT REEL: 013298 FRAME: 0005