## 02-20-2001



Docket No.: PU01-0067

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101614749

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To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.	
I. Name of conveying party(ies):  Makoto Kawamura Mitsutoshi Sugano Shinichi Takahashi Ko Ishii Hirokatsu Nagatake Akira Miura Aki Yoshioka Masayuki Koyama	2. Name and address of receiving party(ies):  Name: Pioneer Corporation  Address: Address: Meguro 1-chome, Meguro-ku	
	01.6	
Additional names(s) of conveying party(les) attached?  Yes  No	FEB 0 8 2001	
3. Nature of conveyance: 2-8-0		
★ Assignment	City: Tokyo State/Provi	
□ Security Agreement □ Change of Name	City: Tokyo State/Prov.:	
Other	Country: JAPAN ZIP:	
Execution Date: 12/20/00,12/20/00,12/20/00,12/28/00,12/20/00, 12/27/00,12/27/00	Additional name(s) & address(es) attached? ☐ Yes ☒ No	
Application number(s) or registration numbers(s):		
If this document is being filed together with a new application	the execution date of the application is:	
Patent Application No. Filing date	B. Patent No.(s)	
09/704,822 November 3, 2000		
Additional numbers at	tached? 🔲 Yes 🚨 No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Sean M. McGinn	7. Total fee (37 CFR 3.41):\$ 40,00	
Registration No. 34,386	Enclosed - Any excess or insufficiency should be	
Address: McGinn & Gibb, PLLC	credited or debited to deposit account	
8321 Old Courthouse Road	☐ Authorized to be charged to deposit account	
Suite 200	8. Deposit account number:	
City: Vienna State/Prov.: VA	50-0481	
Country: <u>USA</u> ZIP: <u>22182-3817</u>		
DO NOT I	USE THIS SPACE 40E	
O. 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.  Sean M. McGinn  Name of Person Signing  Total number of pages including cover sheet, attachments, and document:  Total number of pages including cover sheet, attachments, and document:		

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PATENT REEL: 011514 FRAME: 0761

## ASSIGNMENT

In consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree to assign, and hereby do assign, transfer, and set over to:

Pioneer Corporation

having the address:

4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(hereinafter designated as the "ASSIGNEE") the entire right, title, and interest for the United States and all foreign countries (including protection in foreign countries via the Patent Cooperation Treaty), in the invention, and all applications for patent and any Letters Patent which may be granted therefor, the application being known by the Title:

OPTICAL PICKUP APPARATUS

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on _	November 3, 2000	
serial No.	09/704,822	

- 1. The undersigned agree to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.
- 2. The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the ASSIGNEE in every way possible in obtaining evidence and going forward with such interference.
- 3. The undersigned agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial property or similar agreements.
- 4. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United states patent to the ASSIGNEE.

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5. The undersigned hereby authorize and request the commissioner of Patents in the Unite States and the appropriate national or regional authority in each foreign country to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE, as ASSIGNEE of the entire interest, and hereby covenants that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned names.

The undersigned hereby authorize the firm of

McGinn & Gibb, PLLC of 8321 Old Courthouse Road, Suite 200, Vienna, Virginia 22182-3817, U.S.A.

to insert hereon any further identification necessary or desirable for recordation of this document.

Pcc. 20. 2000 Date	Typed Name: Makoto KAWAMURA
Dec. 20, 2000  Date	Shinishi Jakahashi Typed Name: Shinishi TAKAHASHI
Dec. 20. 2000  Date	Mirakatsu Nagatake Typed Name: Hirokatsu NAGATAKE
Dec. 4. 2000 Date	Typed Name: Aki YOSHIOKA
Dec. 20, 2000  Date	Mitsutoshi Sugano  Typed Name: Mitsutoshi SUGANO
<u>                                      </u>	Typed Name: Ko ISHII
<u>Dec. 27. 2000</u> Date	Okuin Muina Typed Name: Akira MIURA
Dec. 27. 2000  Date	Masayuki Koyama Typed Name: Masayuki KOYAMA

RECORDED: 02/08/2001