Docket No.: 3577-200

FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE 09-28-1999 (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02 Tab settings → → 101156248 To the Honorable Commissioner of Patent ached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Hajime MATSUSHITA, Tomomitsu KOUNO, Hideki HATANO, Yoshihisa ITOH, Satoru TANAKA, Name PIONEER CORPORATION Takashi YAMAJI, Fumitaka KOTAKA Internal Address: No. 4-1 Meguro 1-chome Meguro-ku, Tokyo-to ☐ Yes 🛛 No Additional names(s) of conveying party(ies) **JAPAN** 3. Nature of conveyance: Street Address: same ☐ Merger ☐ Change of Name ☐ Security Agreement City: _____ State: ___ ZIP: ___ □ Other Execution Date: September 8, 1999 X 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: September 8, 1999 A. Patent Application No.(s) B. Patent No.(s) 09/396663 Additional numbers attached? ☐ Yes **⊠** No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Gerald Levy, Esq. 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Kane, Dalsimer, Sullivan and Levy, LLP ☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account 09/24/1999 MGORDON 00000023 09396663 Authorized to be charged to deposit account 03 FC:581 40.00 OP Street Address: 711 Third Avenue 8. Deposit account number: 11-0215 State: NY ZIP: 10017 City: New York DO NOT USE THIS SPACE 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. **September 15, 1999** Gerald Levy, Esq. Signature Date Name of Person Signing

Total number of pages including cover sheet, attachments, and document:

REEL: 010260 FRAME: 0759

ASSIGNMENT

FOR ONE DOLLAR (\$1.00) and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I (We), Hajime MATSUSHITA, Tomomitsu KOUNO, Hideki HATANO, Yoshihisa ITOH, Satoru TANAKA, Takashi YAMAJI and Fumitaka KOTAKA

being the inventor(s) of certain improvements in VOLUME HOLOGRAPHIC MEMORY AND OPTICAL INFORMATION RECORDING/REPRODUCING APPARATUS

hereby assign unto PIONEER CORPORATION

having a principal place of business at No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan our entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent in and to any and all divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term from which said Letters patent or other rights of protection may be granted, as fully and as entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

WE COVENANT, AGREE AND WARRANT that we have a full and unencumbered title to the invention hereby assigned, and we further covenant and agree that we will, at any time upon request, without further compensation, execute and deliver any and all papers or instruments that in the opinion of the assignee may be necessary or desirable to secure said assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed.

IN WITNESS WHEREOF, we have hereunto set out hand and seal this 8th day of September , 1999 .

Date: <u>September 8, 1999</u> Nauma Masushilu	Date: September 8, 1999 Tomomitsu Koumo
Date: September 8, 1999	Date: September 8,1999
Hidebilfatono	Yoshihisa Itoh
Date: September 8, 1999	Date: September 8, 1999
Saton Tanaka	Takasho Yamaji
Date: September 8, 1999	<i>!</i> /
Juntaka Cotaka	

PATENT
RECORDED: 09/15/1999 REEL: 010260 FRAME: 0760