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U.S. Department of Commerce
Patents & Trademark Office

Attorney Docket No. P7156-8045

Date: August 26, 1998

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

Toshihiko TAKISHITA; Shinichi HANZAWA;
Shigenori MURAKAMI; Atsushi KONDO; Ayumi MITSUMORI;
Miki KUSAMA; Makoto MATSUKAWA

Additional name(s) of conveying party(ies) attached?

Yes No

2. Name and address of receiving party(ies):

Name: (1) PIONEER ELECTRONIC CORPORATION

(2) PIONEER VIDEO CORPORATION

Street Address: (1) 4-1 Meguro 1-chome

Meguro-ku, Tokyo 153-0063, JAPAN;

(2) 2680 Nishihanawa, Tatomi-cho,

Nakakoma-gun, Yamanashi-ken 409-3843, Japan

City: State: Zip:

Additional name(s) & address(es) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: August 19, 1998

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: August 19, 1998

A. Patent Application No.(s) 09/140545

B. Patent No.(s)

New Application

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: NIKAIDO, MARMELESTEIN, MURRAY & ORAM LLP

Internal Address:

Street Address: Metropolitan Square, 655 15th St., N.W.,

Suite 330 - G Street Lobby

City: Washington State: DC Zip: 20005-5701

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)..... \$ 40.00

Included in check #17334 enclosed

Any additional fees are authorized to be charged to deposit account

8. Deposit account number:

14-1060

(Attach duplicate copy of this page if paying by deposit account)

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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.

George E. Oram, Jr.
Name of Person Signing
Reg. No. 27,931

George E. Oram, Jr.
Signature

August 26, 1998
Date

Total number of pages including cover sheet, attachments and document: 2

PATENT

Docket No. _____

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

Pioneer Electronic Corporation of 4-1 Meguro 1-chome, Meguro-ku,
Tokyo 153-0063 Japan, and

Pioneer Video Corporation of 2680 Nishihanawa, Tatomi-cho,
Nakakoma-gun, Yamanashi-ken 409-3843 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

"OPTICAL RECORDING MEDIUM"

[Insert ASSIGNEE's Name(s) Address(es)]

[Title of Invention]

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

[*If the assignment is being filed after the filing of the application, this section must be completed]

*filed on _____, Serial No. _____

(Nikaido, Marmelstein, Murray & Oram is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)]

<u>Toshihiko Takishita</u> (SIGNATURE)	<u>Toshihiko TAKISHITA</u> (TYPE NAME)	<u>August 19, 1998</u> (DATE)
<u>Shinichi Hanzawa</u> (SIGNATURE)	<u>Shinichi HANZAWA</u> (TYPE NAME)	<u>August 19, 1998</u> (DATE)
<u>Shigenori Murakami</u> (SIGNATURE)	<u>Shigenori MURAKAMI</u> (TYPE NAME)	<u>August 19, 1998</u> (DATE)
<u>Atsushi Kondo</u> (SIGNATURE)	<u>Atsushi KONDO</u> (TYPE NAME)	<u>August 19, 1998</u> (DATE)
<u>Ayumi Mitsumori</u> (SIGNATURE)	<u>Ayumi MITSUMORI</u> (TYPE NAME)	<u>August 19, 1998</u> (DATE)
<u>Miki Kusama</u> (SIGNATURE)	<u>Miki KUSAMA</u> (TYPE NAME)	<u>August 19, 1998</u> (DATE)
<u>Makoto Matsukawa</u> (SIGNATURE)	<u>Makoto MATSUKAWA</u> (TYPE NAME)	<u>August 19, 1998</u> (DATE)

PATENT