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75331 U.S. PRO
08/880441

MCD 6-24-97

Case Docket No. 970678

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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6-24-97

To the Assistant Commissioner for Patents
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Keiji HIRAO, Tadahiro MITANI, Hitoshi OGATA and
Masanao YOSHIDA**

Additional name(s) of conveying party(ies) attached? NO

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

Name: SANYO ELECTRIC CO., LTD.

Street Address:

5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka, Japan

Additional name(s) & address(es) attached? NO

3. Nature of conveyance: **Assignment**

Execution Date: **June 17, 1997**

08/880441

4. Title: **DISK RECORDING-PLAYBACK DEVICE AND DISK LOADING
OR UNLOADING METHOD**

40E
NO SPEC
FEE

5. 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: June 17, 1997

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? NO

08/07/1997 JMWHSJMS 00000028 08880441 40.00 DP
-03 FC:581

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

Name: Armstrong, Westerman, Hattori,
McLeland & Naughton
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006

7. Total number of applications and patents involved: 1

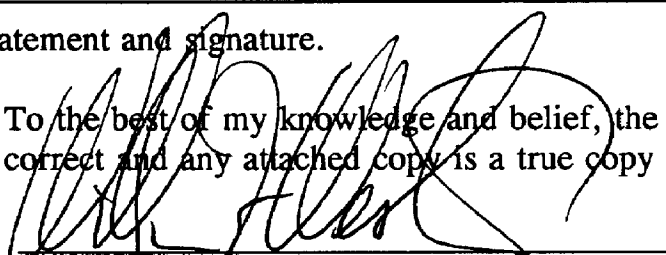
8. Total fee (37 CFR 3.41). \$ **40.00**

XX Check enclosed

9. Deposit Account No.: **01-2340**
(Two copies of this paper are attached.)

10. 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.



Date June 24, 1997

William F. Westerman
Reg. No.: 29,988

Total number of pages including cover sheet: 3

WFW/yap

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

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

Sanyo Electric Co., Ltd.
5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka, 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

(Title of Invention)

DISK RECORDING-PLAYBACK DEVICE AND DISK LOADING OR UNLOADING METHOD

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

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

*filed on _____, Serial No. _____
(Armstrong, Westerman, Hattori, McLeland & Naughton is hereby authorized to insert the series 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, divisional, 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 the application and any continuation, 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, divisional, 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).

(Signatures)

<u>Keiji Hirao</u> (SIGNATURE)	<u>Keiji Hirao</u> (TYPE NAME)	<u>June 17, 1997</u> (DATE)
<u>Tadahiro Mitani</u> (SIGNATURE)	<u>Tadahiro Mitani</u> (TYPE NAME)	<u>June 17, 1997</u> (DATE)
<u>Hitoshi Ogata</u> (SIGNATURE)	<u>Hitoshi Ogata</u> (TYPE NAME)	<u>June 17, 1997</u> (DATE)
<u>Masanao Yoshida</u> (SIGNATURE)	<u>Masanao Yoshida</u> (TYPE NAME)	<u>June 17, 1997</u> (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

NO LEGALIZATION REQUIRED