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Case Docket No. 981328

U.S. DEPARTMENT OF COMMERCE
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To the Assistant Commissioner for Patents.
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshihiro HORI and Hisashi MATSUYAMA

MRD

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

11-24-98

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

09/180/873

3. Nature of conveyance: **Assignment**

Execution Date: **September 7, 1998**

4. Title: **RECORDING MEDIUM AND REPRODUCING APPARATUS
THEREFOR**

5. Application number(s) or patent number(s):

12/03/1998 MCL BY DRD 00000040 09180873

03 FC:501

If this document is being filed together with a new application, the execution date of the application is: September 7, 1998

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

Additional numbers attached? NO

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

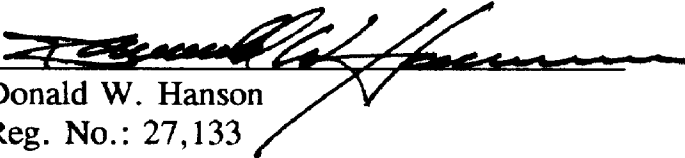
8. Total fee (37 CFR 3.41). \$ 40.00

XX Check enclosed

9. Deposit Account No.: 01-2340

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.


Donald W. Hanson
Reg. No.: 27,133

Date November 24, 1998

Total number of pages including cover sheet: 4

DWH/yap

ASSIGNMENT

Application No. _____

Filed _____

Inventor Name(s) ➡
 Inventor(s)

WHEREAS, Yoshihiro HORI and Hisashi MATSUYAMA

Insert Title
 of Invention ➡

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____

Recording Medium and Reproducing Apparatus Therefor

Insert Date
 of Signing of
 Application ➡

for which an application for Letters Patent of the United States of America has been executed by the undersigned under 35 U.S.C. 371 resulting from the International Application No. PCT/JP 97/03950; filed October 30, 1997,

on September 7, 1998; and

Insert Name
 of Assignee ➡

WHEREAS, SANYO ELECTRIC CO., LTD.

Insert Address
 of Assignee ➡

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

CHECK BOX
 IF APPROPRIATE ➡

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) 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.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention of the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Armstrong, Westerman, Hattori, McLeland & Naughton the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Date September 7, 1998, Name of Inventor *Yoshihiro Horii*
(signature) Yoshihiro HORI

Date September 7, 1998, Name of Inventor *Hisashi Matsuyaya*
(signature) Hisashi MATSUYAYA

Date _____, Name of Inventor _____
(signature)

Date _____, Name of Inventor _____
(signature)

Date _____, Name of Inventor _____
(signature)

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(signature)

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(signature)

Date _____, Name of Inventor _____
(signature)