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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Shuichi Yoshida, Takanori Okada, Yoshiki Kuno, Jyun-ichi Komeno, Toshikazu Koudo, Ryosuke Shimizu, Noriaki KuboAdditional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Correction of Assignment Recordation
(previously recorded at Reel _____, Frame _____).
☐ Other

Execution Date: September 6, 2002

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

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: _____

Street Address: 1006, Oaza Kadoma,
Kadoma-shiCity: Osaka

State: _____

Zip: 571-8501Country: JAPANAdditional name(s) & address(es) attached? ☐ YES ☒ NO

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:

A. Patent Application Number(s) 10/169,052

B. Patent Number(s) _____

Additional number(s) attached? ☐ YES ☒ NO

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

Name: Allan Ratner
Internal Address: RatnerPrestia
Street Address: Suite 301
One Westlakes
Berwyn, P.O. Box 980
City: Valley Forge State: PA
ZIP: 19482-0980

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 18-0350

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.*Allan Ratner

Name of Person Signing

19,717

Registration. No.

Signature

Date 11/4/02Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

Inventor(s)ASSIGNOR(s)/
INVENTOR(s)

- | | |
|---------------------------|----------------------------|
| 1. <u>Shuichi YOSHIDA</u> | 2. <u>Takanori OKADA</u> |
| 3. <u>Yoshiki KUNO</u> | 4. <u>Jyun-ichi KOMENO</u> |
| 5. <u>Toshikazu KOUDO</u> | 6. <u>Ryosuke SHIMIZU</u> |
| 7. <u>Noriaki KUBO</u> | 8. _____ |

has made an invention entitled: Recording Apparatus, Reproduction Apparatus,
Data Processing Apparatus, Recording and Reproduction Apparatus
and Data Transmission Apparatus and Corresponding Methods

and has executed an application for Letters Patent of the United States
concurrently herewith;

ASSIGNEE
(Full Name
and address)

WHEREAS, the ASSIGNEE
Matsushita Electric Industrial Co., Ltd.
of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN

is desirous of acquiring the entire interest in and to said invention and the
Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to
ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good
and valuable consideration, the receipt of which is hereby acknowledged,
ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers
to ASSIGNEE, its successors and assigns the full and exclusive right, title and
interest in and to said invention, all applications for Letters Patent for said
invention, including all divisions and continuations thereof, all rights to claim
priority based thereon, and all Letters Patent, including reissues, to be obtained
therefor, including any and all foreign patent rights in this invention
corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or
encumbrance has been or will be made or entered into which would conflict
with this Assignment.

- 2 -

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

	(Typed or Printed Name)	(Signature)	(Date)
SIGNATURE	1. <u>Shuichi YOSHIDA</u>	<u>Shuichi Yoshida</u>	<u>September 6, 2002</u>
	2. <u>Takanori OKADA</u>	<u>Takanori Okada</u>	<u>September 6, 2002</u>
	3. <u>Yoshiki KUNO</u>	<u>Yoshi Ki Kuno</u>	<u>September 6, 2002</u>
	4. <u>Jyun-ichi KOMENO</u>	<u>Junichi Komeno</u>	<u>September 6, 2002</u>
	5. <u>Toshikazu KOUDO</u>	<u>Toshikazu Koudo</u>	<u>September 6, 2002</u>
	6. <u>Ryosuke SHIMIZU</u>	<u>Ryosuke Shimizu</u>	<u>September 6, 2002</u>
	7. <u>Noriaki KUBO</u>	<u>Noriaki Kubo</u>	<u>September 6, 2002</u>

Application for United States Letters Patent.

Serial No. 10/169,052 Filed _____

Attorney Docket No. MTS-3352US