

MTS-3321US

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10/080037

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<p>1. Name of conveying party(ies): Kenji Morimoto; Hirofumi Nakagaki; Yoshiyasu Kuramoto; Atsuo Ochi; Etsuto Nakatsu</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Correction of Assignment Recordation (previously recorded at Reel __, Frame __). <input type="checkbox"/> Other</p> <p>Execution Date: <u>July 22, 2002</u></p>	<p>2. Name and address of receiving party(ies): Name: <u>Matsushita Electric Industrial Co., Ltd.</u> Internal Address: _____ Street Address: <u>1006, Oaza Kadoma, Kadoma-shi</u> City: <u>Osaka</u> State: <u>Japan</u> ZIP: <u>571-</u> Additional name(s) & address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
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08/28/02

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) 10/088,037 B. Patent Number(s) ____

Additional number(s) attached? YES NO

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Allan Ratner</u></p> <p>Internal Address: <u>Ratner & Prestia</u></p> <p>Street Address: <u>Suite 301, One Westlakes, Berwyn,</u> <u>P.O. Box 980</u></p> <p>City: <u>Valley Forge</u> State: <u>PA</u> ZIP: <u>19482-0980</u></p>	<p>6. Total number of applications and patents involved: <u>01</u></p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>18-0350</u> (Attach duplicate copy of this page if paying by deposit account.)</p>
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Allan Ratner August 28, 2002
Name of Person Signing Signature Date

19,717
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ASSIGNMENT

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

Inventor(s)

ASSIGNOR(s)/
INVENTOR(s)

- | | |
|------------------------------|-----------------------------|
| 1. <u>Kenji MORIMOTO</u> | 2. <u>Hirofumi NAKAGAKI</u> |
| 3. <u>Yoshiyasu KURAMOTO</u> | 4. <u>Atsuo OCHI</u> |
| 5. <u>Etsuto NAKATSU</u> | 6. _____ |

has made an invention entitled: Data recording apparatus, data reproducing apparatus, data recording method, and data reproducing method

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.

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>Kenji MORIMOTO</u>	<u><i>Kenji Morimoto</i></u>	<u>July 22, 2002</u>
2. <u>Hirofumi NAKAGAKI</u>	<u><i>Hirofumi Nakagaki</i></u>	<u>July 22, 2002</u>
3. <u>Yoshiyasu KURAMOTO</u>	<u><i>Yoshiyasu Kuramoto</i></u>	<u>July 22, 2002</u>
4. <u>Atsuo OCHI</u>	<u><i>Atsuo Ochi</i></u>	<u>July 22, 2002</u>
5. <u>Etsuto NAKATSU</u>	<u><i>Etsuto Nakatsu</i></u>	<u>July 22, 2002</u>

Application for United States Letters Patent

Serial No. 10/088,037

Filed March 12, 2002

Attorney Docket No. MIS-332105