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|---|--|
| <p>1. Name of conveying party(ies):<br/>Takashi Higashida, Hideki Takahashi, Kazuhiro Mihara,<br/>Yoshiki Kuno &amp; Yuji Tanigawa</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:<br/> <input checked="" type="checkbox"/> Assignment<br/> <input type="checkbox"/> Security Agreement<br/> <input type="checkbox"/> Correction of Assignment Recordation<br/>         (previously recorded at Reel _____, Frame _____)<br/> <input type="checkbox"/> Other<br/> <input type="checkbox"/> Merger<br/> <input type="checkbox"/> Change of Name</p> <p>Execution Date: <u>October 30, 2000</u></p> | <p>2. Name and address of receiving party(ies):<br/>Name: <u>Matsushita Electric Industrial Co., Ltd.</u><br/>Internal Address: _____<br/>Street Address: <u>1006, Oaza Kadoma, Kadoma-shi</u><br/>City: <u>Osaka</u> State: <u>Japan</u> ZIP: <u>571-8501</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> |
| <p>4. Application number(s) or patent number(s):<br/>If this document is being filed together with a new application, the execution date of the application is: <u>October 30, 2000</u></p> <p>A. Patent Application Number(s) _____ B. Patent Number(s) _____</p> <p>Additional number(s) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>  |  |
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:<br/>Name: <u>Allan Ratner</u></p> <p>Internal Address: <u>Ratner &amp; Prestia</u></p> <p>Street Address: <u>Suite 301, One Westlakes, Berwyn,</u><br/><u>P.O. Box 980</u><br/>City: <u>Valley Forge</u> State: <u>PA</u> ZIP: <u>19-82-0980</u></p>   | <p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u><br/> <input checked="" type="checkbox"/> Enclosed<br/> <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>18-0350</u><br/>(Attach duplicate copy of this page if paying by deposit account)</p>                  |

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ASSIGNMENT

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

Inventor(s)

ASSIGNOR(s)/  
INVENTOR(s)

- |                             |                            |
|-----------------------------|----------------------------|
| 1. <u>Takashi HIGASHIDA</u> | 2. <u>Hideki TAKAHASHI</u> |
| 3. <u>Kazuhiro MIHARA</u>   | 4. <u>Yoshiki KUNO</u>     |
| 5. <u>Yuji TANIGAWA</u>     | 6. _____                   |

has made an invention entitled: Recording Apparatus And Program

Recording Medium

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>Takashi HIGASHIDA</u> | <u>東田 隆司</u> | <u>October 30, 2000</u> |
|           | 2. <u>Hideki TAKAHASHI</u>  | <u>高橋 英基</u> | <u>October 30, 2000</u> |
|           | 3. <u>Kazuhiro MIHARA</u>   | <u>三原 和博</u> | <u>October 30, 2000</u> |
|           | 4. <u>Yoshiki KUNO</u>      | <u>久野 良樹</u> | <u>October 30, 2000</u> |
|           | 5. <u>Yuji TANIGAWA</u>     | <u>谷川 裕二</u> | <u>October 30, 2000</u> |

Application for United States Letters Patent

Serial No. \_\_\_\_\_ Filed \_\_\_\_\_,

Attorney Docket No. MTS-32246.