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1. Name of conveying party(ies):
   Minoru KAWAHARA, Noboru YANAGITA
   Additional name(s) of conveying party(ies) attached? Yes x No

2. Name and address of receiving party(ies):
   Name: SONY CORPORATION
   7-35 Kitashinagawa 6-chome
   Shinagawa-Ku, Tokyo 100-31, Japan
   Additional name(s) & address(es) attached? Yes x No

3. Nature of conveyance:
   X Assignment
   Security Agreement
   Merger
   Change of Name
   Other
   Execution Date(s): March 18 and March 26, 2002

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. USSR 10/070,239 (corresponding to Int'l Patent Application No.(s) PCT/JP01/05726 filed 2 July 2001)
   Additional numbers attached? Yes x No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: WILLIAM S. FROMMER
   Internal Address: FROMMER LAWRENCE & HAUG LLP
   Street Address: 745 FIFTH AVENUE
   City: NEW YORK State: N.Y. Zip: 10151

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.61) $ 40.00
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   To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true
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   Gordon Kessler
   Name of Person Signing
   Signature
   June 14, 2002
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Washington, D.C. 20503.
ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

INFORMATION RECORDING APPARATUS AND METHOD, AND INFORMATION RECORDING SYSTEM

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar ($1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any cessions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time to time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: International Serial Number: PCT/JP01/05726, International Filing Date: 02 July 2001.

This assignment executed on the dates indicated below.

<table>
<thead>
<tr>
<th>Minoru KAWABARA</th>
<th>Execution date of U.S. Patent Application</th>
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<tbody>
<tr>
<td>Name of first or sole inventor</td>
<td>18 March 2002</td>
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<tr>
<td>Residence of first or sole inventor</td>
<td>Kanagawa, Japan</td>
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<tr>
<td>Signature of first or sole inventor</td>
<td>Minoru Kawabara</td>
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<tr>
<th>Noboru YANAGITA</th>
<th>Execution date of U.S. Patent Application</th>
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<tr>
<td>Name of second inventor</td>
<td>26 March 2002</td>
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<tr>
<td>Residence of second inventor</td>
<td>Kanagawa, Japan</td>
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<tr>
<td>Signature of second inventor</td>
<td>Noboru Yanagita</td>
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