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1. Name of conveying party(ies): Kenichi Nakanishi 8-22-02 Additional name(s) of conveying party(ies) attached? [ ] Yes [x] No

2. Name and address of receiving party(ies) Name: Sony Corporation Internal Address: Street Address: 7-35, Kitashinagawa 6-chome Shinagawa-ku City: Tokyo State: Japan Zip: 141-0001 Additional name(s) & address(es) attached: [ ] Yes [x] No

3. Nature of Conveyance: [x] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: August 14, 2002

4. Application number(s) or patent number(s): 10-204776 If this document is being filed together with a new application, the execution date of the new application is: August 14, 2002 A. Patent Application No.(s): B. Patent No.(s): Additional numbers attached? [ ] Yes [x] No

6. Total number of applications and patents involved: 1

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Robert B. Cohen LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Street Address: 600 South Avenue West City: Westfield State: NJ Zip: 07090

7. Total fee (37 CFR 3.41) \$ 40.00 [ ] Enclosed [x] Authorized to be charged to deposit account [ ] Authorized to be charged to credit card (Form 2038 enclosed)

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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 copy of the original document.

Robert B. Cohen Name of Person Signing

Signature

August 22, 2002 Date

Total number of pages including cover sheet, attachments, and documents: 2

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U.S. Patent Application  
Witness

ASSIGNMENT

WHEREAS, Kenichi NAKANISHI of c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan, as assignor, has invented improvements in

**APPARATUS FOR RECORDING DATA AND METHOD FOR WRITING DATA TO FLASH MEMORY**

for which an International Application was filed on December 28 2001 as PCT/JP01/11678, designating the United States.

AND WHEREAS, SONY CORPORATION, a corporation of Japan, having a place of business at 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we as assignors hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for himself and his legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And we do hereby authorize our attorneys to insert on this deed the filing date and serial number of said application when known.

the 14th day of Aug, 2002  
Date

Kenichi Nakanishi  
Kenichi NAKANISHI

Miyuki Andou  
Witness