

Form PTO-1506

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of Conveying Party(ies): Yoshio SASAKI Hidenori NAKAGAWA</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: PIONEER CORPORATION</p> <p>Address: 4-1, Meguro 1-chome Meguro-ku, Tokyo, Japan</p>
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<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"/> Other: _____ Execution Date: June 13, 2003</p>	<p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s): _____


This document is being filed with a new application, the execution date of the application is:

<p>A. Patent Application No(s). 10/461,359</p>	<p>B. Patent No(s).</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed: Customer No.: 000466 YOUNG & THOMPSON Second Floor 745 South 23rd Street Arlington, VA 22202 Phone: 703-521-2297 / Fax: 703-685-0573</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41)..... \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account No. 25-0120 (Attach duplicate copy of this page if paying by deposit account)</p>
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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.

<p>Robert J. Patch Name of Person Signing</p>	 Signature	<p>October 23, 2003 Date</p>
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Total number of pages including cover sheet, attachments, and documents: **2**

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I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on October 23, 2003.


Patrick Feagans

CH \$40.00 250120 10461359

Deed of Assignment (Before Patent)

ASSIGNMENT

WHEREAS, Yoshio SASAKI and Hidenori NAKAGAWA of Saitama, Japan

ha invented certain new and useful improvements in INFORMATION RECORDING APPARATUS AND CONTROL METHOD THEREOF

for which application for Letters Patent of the United States of America;
(I/we have made—or am/are about to make)

AND WHEREAS, PIONEER CORPORATION of 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of

_____ Dollars (\$_____)

to _____ in hand paid, the receipt of which is hereby acknowledged

have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said

* _____ right, title, and interest in and to the said invention,

as fully set forth and described in the:

Delete inapplicable wording

(a) specification prepared and executed by _____ on the 13th day of June, ~~19~~ 2003
10/461,359 filed June 16, 2003
(b) application filed on the _____ day of _____, ~~19~~ _____, Serial No. _____

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be

held and enjoyed by the said _____

for _____ own use and behoof, and for _____ legal representatives, to the full end of the term

for which said Letters Patent are granted, as fully and entirely as the same would have been held by

_____ had this assignment and sale not been made.

IN TESTIMONY WHEREOF, _____ hereunto set _____ hand _____ and affix _____ seal _____ at

this 13th day of June, A.D. ~~19~~ 2003

Yoshio Sasaki
(Inventor's full Signature) YOSHIO SASAKI

Hidenori Nakagawa
Hidenori NAKAGAWA

* State whether the full and exclusive right, or what part of the whole interest is assigned.