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Attorney Docket No. 8048-1135-2

Form PTC-1595

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

1. Name of Conveying Party(ies):

Nobuyuki TAKAKUWA
Yasuko FUKUDA
Takao SAWABE
Tohru KANEGAE
Masanori NAKAHARA

Additional name(s) of conveying party(ies) attached?

☒ Yes ☐ No

2. Name and address of receiving party(ies)

Name: **PIONEER CORPORATION**

Address: **4-1, Meguro 1-chome**
Meguro-ku
Tokyo
153-8654
Japan

112948 U.S. PTO
11/377294

031706

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date: **December 23, 2005**

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☐ Yes ☒ No

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Customer No.: **00466****YOUNG & THOMPSON****Second Floor****745 South 23rd Street****Arlington, VA 22202****Phone: 703-521-2297****Fax: 703-685-0573**6. Total number of applications and patents involved: **1**7. Total fee (37 CFR 3.41).....**\$40.00**☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit Account No. **25-0120**

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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.

Benoît Castel

Name of Person Signing

Signature

March 17, 2006

Date

Total number of pages including cover sheet, attachments, and documents: **3**

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Y&T March 17, 2006

PATENT
REEL: 017694 FRAME: 0234

RECORDATION FORM COVER SHEET
Additional conveying and receiving parties

Continuation of Box 1--Name of conveying party(ies):

Takeshi KODA

Continuation of Box 2--Name and address of receiving party(ies):

Name:

Address:

Name:

Address:

Continuation of Box 4--Application number(s) or patent number(s):

ASSIGNMENT

WHEREAS, Nobuyuki TAKAKUWA, Yasuko FUKUDA, Takao SAWABE,
Tohru KANEGAE, Masanori NAKAHARA and Takeshi KODA of Saitama, Japan

have invented certain new and useful improvements in INFORMATION RECORDING MEDIUM, INFORMATION RECORDING APPARATUS AND METHOD, INFORMATION REPRODUCING APPARATUS AND METHOD, INFORMATION RECORDING/REPRODUCING APPARATUS AND METHOD, COMPUTER PROGRAM FOR RECORDING OR REPRODUCTION CONTROL, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

for which _____ application for Letters
 (I/we have made—or am/are about to make)

Patent of the United States of America;

AND WHEREAS, PIONEER CORPORATION of 4-1, Meguro 1-chome,
Meguro-ku, Tokyo 153-8654 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:

(a) specification prepared and executed by _____ on the 23rd day of December, xx 2005

(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 23rd day of December, A.D. xx 2005

Nobuyuki Takakuwa

(Inventor's full Signature) Nobuyuki TAKAKUWA

Takao Sawabe

Takao SAWABE

Masanori Nakahara

Masanori NAKAHARA

Yasuko Fukuda

(Inventor's full Signature) Yasuko FUKUDA

Tohru Kanegae

Tohru KANEGAE

Takeshi Koda

Takeshi KODA

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

PATENT

RECORDED: 03/17/2006

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