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

1. Name of conveying party(ies):

Masato SAKAMOTO and Atsushi KUSAKA

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[] Merger

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[] Change of Name

[] Other

[] Security Agreement

Execution Date: June 26, 2000

Name and address of receiving party(ies):

Name:

PIONEER CORPORATION and TOHOKU PIONEER CORPORATION

Street Address:

No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, JAPAN

1105, Aza-nikko, Oaza-kunomoto Tendo-shi, Yamagata-ken, JAPAN

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

If this document is being filed together with a new application, the execution date of the

application is: June 26, 2000

A. Patent Application No(s).

B. Patent No(s).

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

be mailed:

YOUNG & THOMPSON Second Floor 745 South 23rd Street Arlington, VA 22202

6. Total number of applications and patents involved:

One

7. Total fee (37 CFR 3.41).....\$ 40.00

[X] Enclosed

Additional numbers attached? [] Yes [X] No

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To the best of my know Medge and belief, the foregoing information is true and correct and any attached copy is a trug copy of the original document.

Lauren Terry Name of Person Signing

Total number of pages including cover sheet: [2]

PATENT REEL: 010920 FRAME: 0201

ASSIGNMENT

FOR ONE DOLLAR (\$1.00) and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I (We), Masato SAKAMOTO and Atsushi KUSAKA

being the inventor(s) of certain improvements in A DRIVING DEVICE FOR AN OPTICAL STORAGE MEDIUM

hereby assign unto

- (1) PIONEER CORPORATION
- (2) TOHOKU PIONEER CORPORATION

having a principal place of business at

- (1) No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan
- (2) 1105, Aza-nikko, Oaza-kunomoto, Tendo-shi, Yamagata-ken, Japan

our entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent in and to any and all divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term from which said Letters patent or other rights of protection may be granted, as fully and as entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

WE COVENANT, AGREE AND WARRANT that we have a full and unencumbered title to the invention hereby assigned, and we further covenant and agree that we will, at any time upon request, without further compensation, execute and deliver any and all papers or instruments that in the opinion of the assignee may be necessary or desirable to secure said assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed.

IN WITNESS WHEREOF, we have hereunto set out hand and seal this 26th day of June , \$28 2000.

RECORDED: 07/03/2000	PATENT PATENT
Date:	Date:
Date:	Date:
Date: June 26, 2000 Masqto Sakamoto	Date: June 26, 2000 Atsushi Kusaka

ECORDED: 07/03/2000 REEL: 010920 FRAME: 0202