

RECORDED
02-28-2000

T U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

2-400



101276869

To the Hon. Commissioner of Patent
thereof.

Attached original documents or copy

1. Name of conveying party(ies):

Masataka IZAWA

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

3. Nature of conveyance:

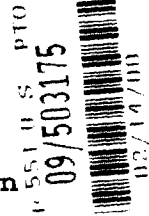
- (X) Assignment () Merger
- () Security Agreement () Change of Name
- () Other

Execution Date: February 7, 2000

2. Name and address of receiving party(ies):

Name:
PIONEER CORPORATION

Street Address:
No. 4-1 Meguro 1-chome,
Meguro-ku, Tokyo-to, Japan



09 503175

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: February 7, 2000

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? () Yes (X) No

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:

1

7. Total fee (37 CFR 3.41).....\$ 40

- (X) Enclosed
- () Authorized to be charged to deposit account

8. Deposit Account No. 25-0120

(Attach duplicate copy of this page if paying by deposit account)

02/23/2000 AGRAY1 00000047 09503175
02 FC:581 40.00 OP

DO NOT USE THIS SPACE

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.

Mary Shelton

Name of Person Signing

Mary Shelton

Signature

February 14, 2000

Date

Total number of pages including cover sheet: [2]

A S S I G N M E N T

FOR ONE DOLLAR (\$1.00) and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I (We), Masataka IZAWA

being the inventor(s) of certain improvements in
LIGHT GUIDE PATH ELEMENT AND OPTICAL PICKUP

hereby assign unto PIONEER CORPORATION

having a principal place of business at

No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, 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 7th day of February , ~~19~~2000.

Date: February 7, 2000
Masataka Izawa

Date: _____

Date: _____

Date: _____

Date: _____

Date: _____
