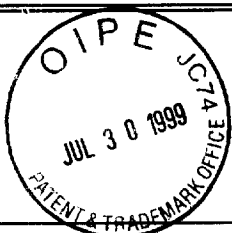


CORR.
7-30-99



101179257

Attorney Docket No.: 040894-5407

To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):
Masakazu OGASAWARA, Yoshitsugu ARAKI, Sakashi OHTAKI, Junichi FURUKAWA and Kiyoshi TATEISHI

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

2. Name and address of receiving party(ies):
Name: **PIONEER ELECTRONIC CORPORATION**

Internal Address:

Street Address: 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

City:
State: Zip:

Additional name(s) & address(es) attached?
 Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other **RECORDATION OF ASSIGNMENT CORRECTION**

Execution Date: March 2, 1999

4. Application number(s) or patent number(s):
If this document is being filed together with a new application the execution date of the application is: _____

A. Patent Application No.(s) 09/265,892 B. Patent No.(s)

Additional numbers attached: Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Mr. J. Michael Thesz
Customer Number 009629
Internal Address: Morgan, Lewis & Bockius LLP
Street Address: 1800 M Street, N.W.
City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R §3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310
Attach duplicate of page if paying by deposit account

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.

J. Michael Thesz
Name of Person Signing
04/02/1999 HTH/1 00000215 09265892
1 FC:581 40.00 DP

Signature July 30, 1999
Date

Total number of pages including cover sheet, attachments and documents: 6

03-22-1999



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100989393

Attorney Docket No.: 040894-5407

To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

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

Yes No

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Internal Address:

Street Address: 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

City:

State:

Zip:

Additional name(s) & address(es) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

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March 2, 1999

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B. Patent No.(s)

09/265892

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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.

John G. Smith
Name of Person Signing

Signature

March 11, 1999
Date

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

03/22/1999 JSHABAZZ 00000026 09265892

01 FC:581

(40.00 OP)

WA01A/167464.1

U.S. PTO
09/265892
03/11/99

100-11-29

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:
 OPTICAL PICKUP, ABERRATION CORRECTION UNIT AND ASTIGMATISM MEASUREMENT METHO

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on _____; or filed an application for United States Letters Patent on _____, (Serial No. _____); and

WHEREAS, PIONEER ELECTRONIC CORPORATION, a corporation of Japan, whose post office address is No. 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

1. Full Name of Sole of First Assignor Masakazu OGASAWARA	Assignor's Signature <i>Masakazu Ogasawara</i>	Date March 2, 1999
Address 6-1-1, Fujimi, Tsurugashima-shi, Saitama 350-2288, Japan, c/o Corporate Research and Development Laboratory, Pioneer Electronic Corporation		Citizenship Japan
2. Full Name of Second Assignor Yoshitsugu ARAKI	Assignor's Signature <i>Yoshitsugu Araki</i>	Date March 2, 1999
Address 6-1-1, Fujimi, Tsurugashima-shi, Saitama 350-2288, Japan, c/o Corporate Research and Development Laboratory, Pioneer Electronic Corporation		Citizenship Japan

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3. Full Name of Third Assignor Sakashi OHTAKI	Assignor's Signature <i>Sakashi Ohtaki</i>	Date March 2, 1999
Address 6-1-1, Fujimi, Tsurugashima-shi, Saitama 350-2288, Japan, c/o Corporate Research and Development Laboratory, Pioneer Electronic Corporation		Citizenship Japan
4. Full Name of Fourth Assignor Junichi FURUKAWA	Assignor's Signature <i>Junichi Furukawa</i>	Date March 2, 1999
Address 6-1-1, Fujimi, Tsurugashima-shi, Saitama 350-2288, Japan, c/o Corporate Research and Development Laboratory, Pioneer Electronic Corporation		Citizenship Japan
5. Full Name of Fifth Assignor Kiyoshi TATEISHI	Assignor's Signature <i>Kiyoshi Tateishi</i>	Date March 2, 1999
Address 6-1-1, Fujimi, Tsurugashima-shi, Saitama 350-2288, Japan, c/o Corporate Research and Development Laboratory, Pioneer Electronic Corporation		Citizenship Japan
6. Full Name of Sixth Assignor	Assignor's Signature	Date
Address		Citizenship
7. Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
8. Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
9. Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
10. Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
11. Full Name of Eleventh Assignor	Assignor's Signature	Date
Address		Citizenship

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