

FORM PTO-1595
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Attorney Docket No.: 041465-5064

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

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

- 1. Takao Sawabe
- 2. Kaoru Yamamoto
- 3. Hidehiro Ishii
- 4. Shozo Ema
- 5. Tokihiro Takahashi
- 6. Yoshinori Hasegawa

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

Name: Pioneer Electronic Corporation

Internal Address:

JCS49 U.S. PTO
 09/288641
 04/09/99

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address:

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

City:

State:

Zip:

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

- Yes
- No

Execution Date: April 5, 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:

April 5, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: 09/288641 Yes No

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

Name: Mr. Robert J. Gaybrick

Internal Address: Morgan, Lewis & Bockius LLP
Customer No. 09629

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.

04/21/1999 VBROWN 00000088 09288641

01 FC:581 John G. Smith 40.00 0P
Name of Person Signing

Signature

April 9, 1999
Date

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

ATTORNEY DOCKET NO.:
SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:
INFORMATION RECORD MEDIUM AND APPARATUS FOR REPRODUCING THE SAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; 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-to, 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).

Full Name of Sole or First Assignor Takao SAWABE	Assignor's Signature <i>Takao Sawabe</i>	Date April 5, 1999
Address c/o Pioneer Electronic Corporation, Head Office. No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan		Citizenship Japanese
Full Name of Second Assignor Kaoru YAMAMOTO	Assignor's Signature <i>Kaoru Yamamoto</i>	Date April 5, 1999
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Names of additional inventors attached [<input checked="" type="checkbox"/>] Yes [<input type="checkbox"/>] No		

ATTORNEY DOCKET NO.: 041465-5021
 ASSIGNMENT
 (U.S. Rights Only)

Full Name of THIRD Assignor Hidehiro ISHII	Assignor's Signature <i>Hidehiro Ishii</i>	Date April 5, 1999
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Full Name of FIFTH Assignor Tokihiro TAKAHASHI	Assignor's Signature <i>Tokihiro Takahashi</i>	Date April 5, 1999
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Full Name of SIXTH Assignor Yoshinori HASEGAWA	Assignor's Signature <i>Yoshinori Hasegawa</i>	Date April 5, 1999
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Names of additional inventors attached [] Yes [x] No		