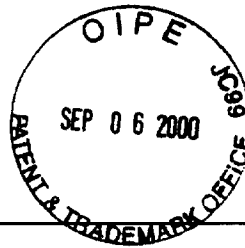


MFO
G.C.W.



09-12-2000



101454018

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

Michihiro SATO; Nobuyuki SATO; Tetsuya NIINO;
Hideyuki TAKAHASHI; Noritaka KUNIMARU;
Shigeharu FURUSAWA; Yasuhiro SHINKAI

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

Yes No

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

Name: (1) PIONEER CORPORATION;
(2) TOHOKU PIONEER CORPORATION

Street Address: (1) 4-1, Meguro 1-chome, Meguro-ku,
Tokyo, JAPAN; (2) 1105, Aza Nikko, Ooaza Kunomoto,
Tendo-shi, Yamagata-ken, Japan

City: _____ State: _____ Zip: _____

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

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: August 25, 2000

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)

09/603,196

B. Patent No.(s)

Additional numbers attached? Yes No

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

Arent Fox Kintner Plotkin & Kahn, PLLC

Internal Address: _____

Street Address: 1050 Connecticut Avenue, N.W., Suite 600

City: Washington State: DC Zip: 20036-5339

6. Total number of applications and patents involved:

1

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

Included in attached Check #299756

Any additional fees are authorized to be charged to deposit account

8. Deposit account number:

01-2300

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

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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.

David T. Nikaido

Name of Person Signing
Reg. No. 22,663

Signature

September 6, 2000

Date

Total number of pages including cover sheet, attachments and document: 2

Docket No. P107156-00013

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

(1) PIONEER CORPORATION;

4-1, Meguro 1-chome, Meguro-ku, Tokyo, JAPAN

(2) TOHOKU PIONEER CORPORATION

1105, Aza Nikko, Ooaza Kunomoto, Tendo-shi, Yamagata-ken, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

DEVICE FOR REPRODUCING OPTICAL DISCS

[Title of
Invention]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

[*If the assignment
is being filed
after the
filing of the
application, this
section must be
completed]

*filed on June 26, 2000, Serial No. 09/603,196

(Arent Fox Kintner Plotkin & Kahn, PLLC is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)]

Michihiro Sato
(SIGNATURE)

Michihiro SATO
(TYPE NAME)

August 25, 2000
(DATE)

Nobuyuki Sato
(SIGNATURE)

Nobuyuki SATO
(TYPE NAME)

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