

04-09-2002

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 05721.0027
Attorney Customer Number: 22,852



To the Honorable Commissioner of Patent and Trademark
Please record the attached original document or copy thereof.

102048838

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):
1. Naoharu YANAGAWA
 2. Masahiro KATO
 3. Tatsuhiro YONE
 4. Yuko MURAMATSU
 5. Shinji SUZUKI

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

10/109647
04/01/02

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

Internal Address:

3. Nature of conveyance:

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

Assignment Merger

City:

Security Agreement Change of Name

State: Zip Code:

Other:

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

Execution Date: 1. and 2. March 7, 2002; 3.-5. March 11, 2002

Yes No

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: March 7, 2002 and March 11, 2002

A. Patent Application Number(s):

B. Patent Number(s):

10/109647

Additional numbers attached? Yes No

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

Name: Mr. Ernest F. Chapman

6. Total number of applications and registrations involved:
1

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

- Enclosed (Please charge deficiency to deposit account)
- Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State: Zip: 20005-3315

8. Deposit Account No.: 06-0916

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 W. Hill
Reg. No. 28,220

David W. Hill
Signature

April 1, 2002

Date

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

ASSIGNMENT

In consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree to assign, and hereby do assign, transfer, and set over to:

Pioneer Corporation

having the address:

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

(hereinafter designated as the "ASSIGNEE") the entire right, title, and interest for the United States and all foreign countries (including protection in foreign countries via the Patent Cooperation Treaty), in the invention, and all applications for patent and any Letters Patent which may be granted therefor, the application being known by the Title:

OPTICAL DEVICE AND OPTICALLY RECORDED INFORMATION
RECORDING/READING APPARATUS

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

filed on _____,

serial No. _____

1. The undersigned agree to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

2. The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the ASSIGNEE in every way possible in obtaining evidence and going forward with such interference.

3. The undersigned agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial property or similar agreements.

4. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

5. The undersigned hereby authorize and request the commissioner of Patents in the United States and the appropriate national or regional authority in each foreign country to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE, as ASSIGNEE of the entire interest, and hereby covenants that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned names.

The undersigned hereby authorize the firm of

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.
at the address of 1300 I Street, N.W., Washington, D.C.
20005-3315, U.S.A.

to insert hereon any further identification necessary or desirable for recordation of this document.

March 7, 2002

Date

Naoharu Yanagawa

Typed Name: Naoharu YANAGAWA

March 7, 2002

Date

Masahiro Kato

Typed Name: Masahiro KATO

March 11, 2002

Date

Tatsuhiko Yone

Typed Name: Tatsuhiko YONE

March 11, 2002

Date

Yuko Muramatsu

Typed Name: Yuko MURAMATSU

March 11, 2002

Date

Shinji Suzuki

Typed Name: Shinji SUZUKI