



07-16-2002



Q68386

Form PTO-1595 (modified)
(Rev. 03/01)
OMB No. 0651-0027

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

102157142

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

1. Name of conveying party(ies):

Masahiro KATO
Naoharu YANAGAWA
Tatsuhiko YONE
Yuko MURAMATSU
Shinji SUZUKI

7-11-02

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

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

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

3. Nature of conveyance:

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

Execution Date: March 20, 2002

Additional name(s) & address(es) attached? ☐ 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 is:

A. Patent Application No.(s)
10/062,557

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

1

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

- ☒ Enclosed.
☐ Authorized to be charged to Deposit Account No. 19-4880.

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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.

Darryl Mexic

Reg. No. 23,063

July 11, 2002

Date

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

Mail documents to be recorded with required cover sheet information to:

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Box Assignment

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PATENT
REEL: 013074 FRAME: 0468

04-25-2002

Q68386

Form PTO-1595 (modified) (Rev. 03/01) OMB No. 0651-0027		RECC	 102069224	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the original documents or copy thereof.				
1. Name of conveying party(ies): Masahiro KATO Naoharu YANAGAWA Tatshiro YONE Yuko MURAMATSU Shinji SUZUKI		2. Name and address of receiving party(ies): PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Execution Date: March 20, 2002		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 is: A. Patent Application No.(s) 10/062,557				
B. Patent No.(s)				
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE MION, PLLC 2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3213		6. Total number of applications and patents involved: 1		
		7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880. <input type="checkbox"/> Authorized to be charged to deposit account		
		8. Deposit account number: 19-4880 (Attach duplicate copy of this page if paying by deposit account)		
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9. Statement and signature. <i>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.</i>				
Darryl Mexic		Reg. No. 23,063		April 19, 2002 Date
Total number of pages including cover sheet, attachments, and documents: 3				
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04/24/2002 TDIAZ1 00000204 10062557

01 FC:581

40.00 OP

 PATENT
 REEL: 013074 FRAME: 0469

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:

PRE-PIT DETECTING APPARATUS FOR OPTICAL RECORDING MEDIUM

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

filed on February 5, 2002.

serial No. 10/062,557

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

SUGHRUE MION, PLLC at the address of 2100 Pennsylvania Avenue,
N.W., Washington, D.C. 20037-3213, U.S.A.

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

Mar. 20, 2002

Date

Masahiro Kato

Typed Name: Masahiro KATO

Mar. 20, 2002

Date

Naoharu Yanagawa

Typed Name: Naoharu YANAGAWA

Mar. 20, 2002

Date

Tatsuhiro Yone

Typed Name: Tatsuhiro YONE

Mar. 20, 2002

Date

Yuko Muramatsu

Typed Name: Yuko MURAMATSU

Mar. 20, 2002

Date

Shinji Suzuki

Typed Name: Shinji SUZUKI