12-14-2000

Form PTO-1595

U.S. DEPARTMENT OF COMMERCE

| 1-31-92 | | |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--|
| 101552001 | | |
| To the Assistant Commissioner of Patents Please record the attached original documents or copy thereof. | | |
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies)? | |
| Keiichi YAMAUCHI | PIONEER CORPORATION | |
| | No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan | |
| Additional name(s) of conveying party(ies) attached? | 2. Name and address of receiving party(ies)? PIONEER CORPORATION No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan | |
| | ט ר | |
| □ yes ☑ no | | |
| | | |
| 3. Nature of Conveyance: | | |
| ☑ Assignment ☐ Merger | | |
| ☐ Security Agreement ☐ Change of Names | | |
| ☐ Other | Additional name(s) & address(es) attached? | |
| | □ yes ☑ no | |
| Execution Date: November 13, 2000 4. Application number(s) or patent number(s): | | |
| ** | on the execution date of the application is: November 13, 2000 | |
| If this document is being filed together with a new application, the execution date of the application is: November 13, 2000 | | |
| A. Patent Application No.(s) | 09715009 B. Patent No.(s) Not Yet Assigned | |
| Additional numbers attac | ched? | |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and registration involved: | |
| SUGHRUE, MION, ZINN, MACPEAK & SEAS. PLLC | 7. Total Fee (37 CFR 3.41): \$40.00 | |
| 2100 Pennsylvania Avenue, N.W. | ☑ Enclosed. Please charge any underpayment in | |
| Suite 800 Washington, D.C. 20037-3213 | connection with this Assignment to Deposit Account No. 19-4880. Authorized to be charged to Deposit Account | |
| Washington, D.C. 2003/3213 | 8. Deposit Account No. | |
| | 8. Deposit Account No. 19-4880 | |
| DO NOT W | RITE IN THIS SPACE | |
| 9. Statement and Signature. | | |
| * | mation is true and correct and any attached copy is a true copy of the | |
| original document. | | |
| Darryl Mexic Reg. No. | November 20, 2000 | |
| Darryl Mexic Reg. No. | . 23,063 Date | |
| TOTAL NUMBER OF PAGES COMPRISING | COVER SHEET, ATTACHMENTS AND DOCUMENT: 2 | |
| OMB No. 0651-0011 (exp. 4/94) | | |
| Do not detach this portion | | |
| Mail documents to be recorded with required cover sheet information to: | | |
| Assistant Commissioner of Patents Box Assignments | | |
| Washington, D.C. 20231 | | |

PATENT

REEL: 011324 FRAME: 0560

Assignment

Whereas, I/We, Keiichi YAMAUCHI

cf

Tsurugashima-shi, Saitama-ken, Japan

hereinafter called assignor(s), have invented certain improvements in APPARATUS FOR AND METHOD OF RECORDING AND REPRODUCING INFORMATION

and executed an application for Letters Patent of the United States of America therefor on ; and

Whereas, PIONEER CORPORATION of No. 4-1 Meguro 1-chome, Meguro-ku, Cokyo-to, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §1:9, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number_______) the filing date and application number of said application when known.

| not or oard approalier men with | | |
|---------------------------------|------|----------------|
| Date: November 13, 2000 |) s/ | Kench Garanchi |
| Date: | s/ | |
| | | |

(Legalization not required for recording out is prima facie evidence of execution under 35 U.S.C. §261)

8/92

RECORDED: 11/20/2000

PATENT REEL: 011324 FRAME: 0561