



Attorney Docket No. 038823.02781US

102509501

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

1. Name of conveying party(ies):

Pioneer Video Corporation



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

2. Name and address of receiving party(ies)

Name: Pioneer Display Products Corporation

Internal Address: No. 15-1 Nishinoya, Washizu
Fukuroi-shi, Shizuoka, JAPAN

Street Address:

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: ==

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: **26 June 2003**

A. Patent Application No.(s)

B. Patent No(s).

~~4,506,313~~

4,609,948

4,546,461

Additional numbers attached? Yes No

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

Gary R. Edwards, Esquire
Crowell & Moring LLP
Intellectual Property Group
P.O. Box 14300
Washington, D.C. 20044-4300

6. Total number of applications and patents involved: 1

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

Enclosed. Please charge any underpayment in connection
with this Assignment to Deposit Account No. 05-1323 (Attorney
Docket No. 038823.02781US)

Authorized to be charged to Deposit Account

8. Deposit Account No.

(Attach dupl. copy of this page if paying by Deposit Account)

07/25/2003 6TON11 00000109 051323 4506313

01 FC:0021 80.00 DA 40.00 DP

DO NOT USE THIS SPACE

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.

Gary R. Edwards
Name Gary R. Edwards Reg. No. 31,824

July 22, 2003
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

TRADEMARK

PTAS Document Separator Sheet

PATENT
REEL: 014301 FRAME: 0429



Attorney Docket No. 038823.02781US

102509501

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

1. Name of conveying party(ies):

Pioneer Video Corporation



2. Name and address of receiving party(ies)

Name: Pioneer Display Products Corporation

Internal Address: No. 15-1 Nishinoya, Washizu
Fukuroi-shi, Shizuoka, JAPAN

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

Street Address:

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: ==

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: 26 June 2003

A. Patent Application No.(s)

B. Patent No(s).

~~4,506,313~~

4,609,948

4,546,461

Additional numbers attached? Yes No

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

Gary R. Edwards, Esquire
Crowell & Moring LLP
Intellectual Property Group
P.O. Box 14300
Washington, D.C. 20044-4300

6.Total number of applications and patents involved: 1

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

Enclosed. Please charge any underpayment in connection
with this Assignment to Deposit Account No. 05-1323 (Attorney
Docket No. 038823.02781US)

Authorized to be charged to Deposit Account

8. Deposit Account No.

(Attach dupl. copy of this page if paying by Deposit Account)

07/25/2003 6TON11 00000109 051323 4506313

01 FC0021 80.00 DA 40.00 DP

DO NOT USE THIS SPACE

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.

Name Gary R. Edwards Reg. No. 31,824

July 22, 2003

Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT OF UNITED STATES PATENTS

Recitals

Pioneer Video Corporation, a Japanese Company (hereinafter referred to as "Assignor"), is the owner of 100% of the ownership interest in the following United States Patents, which are hereinafter referred to as the Patent Properties:

4,506,313

4,609,948

4,546,461

Assignor wish to transfer all of its right, title and interest in the Patent Property to Pioneer Display Products Corporation, a Japanese company having an address of No. 15-1 Nishinoya, Washizu, Fukuroi-shi, Shizuoka, Japan, as successor in interest (hereinafter referred to as "Assignee").

Assignment

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, conveys and assigns to Assignee, its successors and assigns, all of Assignor's right, title and interest in and to the Patent Properties, as well as the inventions disclosed therein, and all continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, the said interest conveyed herein being the entire ownership of said Patent Properties, inventions and applications, to be held and enjoyed by Assignee, its successors and assigns, to the full end of the of the term of said Patent Properties, as fully and entirely as said interest would have be held and enjoyed by Assignor, had this assignment and sale not been made.

Pioneer Video Corporation

Witness: Kenji Mochizuki

Name: Kenji MOCHIZUKI

Title: Member of IP Division,

Date: 11 July, 2003

Pioneer Corporation

By: Takeo Tanabe

Name: Takeo TANABE

Title: President

Date: 26, Jun, 2003