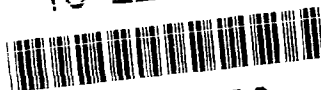


10-22-2003



Docket No.: 42478-4500

SET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Tab settings

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

102580423

1. Name of conveying party(ies):

Isao KAWAHARA

10-20-03

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

Name: Matsushita Electric Industrial Co., Ltd.

Address: 1006 Oaza Kadoma, Kadoma-shi

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

City: Osaka-fu

State/Prov.:

Country: Japan

ZIP:

Execution Date: May 13, 2002

Additional name(s) & address(es)

☐ Yes ☐ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

10/110,870

July 24, 2002

Additional numbers

☐ Yes ☐ No

OCT 20 PM 2:19
OPR/FINANCE

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

Name: Joseph W. Price

Registration No. 25,124

Address: SNELL & WILMER L.L.P.

1920 Main Street

Suite 1200

City: Irvine

State/Prov.: CA

Country: USA

ZIP: 92614-7230

6. Total number of applications and patents involved:

1

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

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

19-2814

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

10/22/2003 DBTRM 00000017 192014 10110870

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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.

Joseph W. Price, Reg. No. 25,124

Name of Person Signing

Signature

October 16, 2003

Date

3

Total number of pages including cover sheet, attachments, and

ASSIGNMENT

WHEREAS, I, Isao KAWAHARA

citizen of Japan and resident of Osaka Japan, respectively, have invented certain new and useful improvements in a

GRAY SCALE DISPLAY METHOD CAPABLE OF EFFECTIVELY DECREASING
FLICKERS, AND GRAY SCALE DISPLAY APPARATUS

for which I have executed application for Letters Patent of the United States,

WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation of Japan, having a principal place of business at 1006 Oaza Kadoma, Kadoma-shi, Osaka-fu, Japan, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application,

NOW, THEREFORE, in consideration of the sum of One Hundred Yen (100¥) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged,

I, Isao KAWAHARA

have sold, assigned, transferred and set over, unto said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors, legal representatives and assigns, the entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals and continuations thereof, and all Letters Patents of the United States, which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every country of the Union, and all applications for Letters Patents which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, on applications as aforesaid, to issue all Letters Patents for said improvements to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of

May, 2002.

Isao KAWAHARA
Isao KAWAHARA