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To the Director of the United States

103089179

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Shinichiro Hashimoto, Masatoshi Kitagawa, Yukihiro Morita
and Naoki Kosugi**

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

Name: **Matsushita Electric Industrial Co., Ltd.**Address: **1006, Oazakadoma, Kadoma-shi**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherCity: **Osaka**

State/Prov.: _____

Country: **Japan**ZIP: **571-8501**Execution Date: **February 28, 2005 ALL**

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: **February 28, 2005**

Patent Application No.

Filing date

B. Patent No.(s)

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Additional numbers

☐ Yes ☒ No

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, LLP****1920 Main Street, Suite 1200**City: **Irvine**State/Prov.: **CA**Country: **USA**ZIP: **92614**

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

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Joseph W. Price

Name of Person Signing

Signature

May 4, 2005

Date

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PATENT
REEL: 017013 FRAME: 0030

ASSIGNMENT

WHEREAS, we, Shinichiro HASHIMOTO, Masatoshi KITAGAWA, Yukihiro MORITA, and Naoki KOSUGI citizens of Japan, respectively, have invented certain new and useful improvements in a PLASMA DISPLAY PANEL APPARATUS AND DRIVING METHOD FOR THE SAME,

for which we have executed application for Letters Patent of the United States, on even date herewith;

WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD a corporation of Japan, having a principal place of business at 1006, Oazakadoma, Kadoma-shi, Osaka, 571-8501, 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 us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Shinichiro HASHIMOTO, Masatoshi KITAGAWA, Yukihiro MORITA, and Naoki KOSUGI

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 WE 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 WE HEREBY further covenant and agree that we will communicate to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors, legal representatives and assigns, any facts known to us 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 28th day of February, 2005

Shinichiro Hashimoto
Shinichiro HASHIMOTO

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of February, 2005

Masatoshi Kitagawa
Masatoshi KITAGAWA

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of February, 2005

Yukihiro Morita
Yukihiro MORITA

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of
February, 2005

Naoki Kosugi

Naoki KOSUGI