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3. Nature of conveyance:

Assignment Merger
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 Other:

Execution Date: July 7, 2000 and July 10, 2000

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:

<p>A. Patent Application No.(s)</p> <p>09/578,142</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Douglas P. Mueller Address: P.O. Box 2903 Minneapolis, MN 55402-0903</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725</p>
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9. 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.

<p>Douglas P. Mueller Name of Person Signing</p>	 Signature	<p>August 18, 2000 Date</p>
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Name Douglas P. Mueller

09/E7/2000 J3ALL042 00000087 09578142

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PATENT
REEL: 011107 FRAME: 0527

INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

WHEREAS,

Inventor(s) Name,
Address, Citizenship

1. Shunsuke KAKISAKA residing at 30-13, Megaki 2-chome, Ibaraki-shi, Osaka 567-0836, Japan and a citizen of Japan;
2. Shigefumi ODA residing at 21-10, Iwatacho 5-chome, Higashiosaka-shi, Osaka 578-0941, Japan and a citizen of Japan;
3. Shiki NAKAYAMA residing at 33-15, Tondaokamachi, Takatsuki-shi, Osaka 569-1145, Japan and a citizen of Japan;
4. Takashi YAMAMOTO residing at 12-23, Takamidai, Takatsuki-shi, Osaka 569-1020, Japan and a citizen of Japan;
5. Hiroshi NOHARA residing at 3-18, Otani-cho, Nishinomiya-shi, Hyogo 662-0054, Japan and a citizen of Japan;

Date Patent Declaration
Signed and Title Serial
No. and filing date (if
known)

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on ___ for this invention, which application is entitled METAL VAPOR DISCHARGE LAMP and which has been given Serial Number 09/578,142 and the filing date of May 24, 2000;

Name of Corporation

AND WHEREAS Matsushita Electronics Corporation (herein called "ASSIGNEE"), a corporation organized under the laws of Japan, and having an office and place of business at 1-1, Saiwai-cho, Takatsuki-shi, Osaka 569-1193, Japan

State or Country of
Incorporation and Address

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Shunsuke Kakisaka
Signature Shunsuke KAKISAKA

July 7 2000
Date

Note: No legalization or other
witness required

Shigefumi Oda
Signature Shigefumi ODA

July 7. 2000
Date

Shiki Nakayama
Signature Shiki NAKAYAMA

July 7. 2000
Date

Takashi Yamamoto
Signature Takashi YAMAMOTO

July 7. 2000
Date

Hiroshi Nohara
Signature Hiroshi NOHARA

July 10. 2000
Date