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

1. Name of conveying party(ies):

Makoto Horiuchi  
Kiyoshi Takahashi  
Tsuyoshi Ichibakase  
Shinichiro Hataoka  
Tomoyuki Seki  
Takashi Tsutatani

12.22.03

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: December 16, 2003

2. Name and address of receiving party(ies)

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: \_\_\_\_\_

Street Address: 1006, Oaza Kadoma

Kadoma-shi

City: Osaka State: Japan Zip: 571-8501

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

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

10744673

If this document is being filed together with a new application, the execution date of the application is: December 16, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gregory A. Stobbs

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 08-0750.

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.*

Gregory A. Stobbs

Name of Person Signing

Gregory A. Stobbs  
Signature

12/22/2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

01/02/2004 HMARZ11 00000064 10744673

04 FEB 2004

40.00 OP

## ASSIGNMENT

WHEREAS, Makoto HORIUCHI, Kiyoshi TAKAHASHI, Tsuyoshi ICHIBAKASE,  
Shinichiro HATAOKA, Tomoyuki SEKI, Takashi TSUTATANI  
(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements  
in HIGH PRESSURE DISCHARGE LAMP, METHOD FOR PRODUCING THE SAME  
AND LAMP UNIT  
\_\_\_\_\_ for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on \_\_\_\_\_ having Serial No. \_\_\_\_\_; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, Matsushita Electric Industrial Co., Ltd. of  
1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan  
its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is  
desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters  
Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in  
hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the  
undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer  
unto the Assignee the full and exclusive right to the said invention in the United States of America and  
its territories and for all foreign countries, dependencies and possessions and the entire right, title and  
interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the  
United States of America and its territories, dependencies and possessions, and in and to any and all  
divisions, reissues, continuations and extensions thereof for the full term or terms for which the same  
may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application  
and any continuing, divisional or reissue applications thereof and also to execute separate assignments  
in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference  
which may be declared concerning this application or any continuation, division or reissue thereof or  
Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way  
possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which  
may be necessary in connection with claims under or provisions of the International Convention for the  
Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: Dec. 16, 2003, *Makoto Horuchi*  
**Makoto HORIUCHI**

Date: Dec. 16, 2003, *Kiyoshi Takahashi*  
**Kiyoshi TAKAHASHI**

Date: Dec. 16, 2003, *Tsuyoshi Ichibakase*  
**Tsuyoshi ICHIBAKASE**

Date: Dec. 16, 2003, *Shinichiro Hataoka*  
**Shinichiro HATAOKA**

Date: Dec. 16, 2003, *Tomoyuki Seki*  
**Tomoyuki SEKI**

Date: Dec. 16, 2003, *Takashi Tsutatani*  
**Takashi TSUTATANI**

Date: \_\_\_\_\_, \_\_\_\_\_

Date: \_\_\_\_\_, \_\_\_\_\_