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103118951

Attorney Docket No.: 46124-5365

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1) Takashi WATANABE
2) Yoshiro AKAI
3) Shirou SAKAI

Additional names of conveying party(ies) attached?
 Yes No

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

Name: HAMAMATSU PHOTONICS K.K.

Internal Address:

Street Address: 1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

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: (1-2) December 27, 2004; (3) February 8, 2005

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

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

(1) December 27, 2004; (2) December 28, 2004; (3) February 8, 2005

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached: Yes No

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

Name: John G. Smith

Internal Address: DRINKER BIDDLE & REATH LLP
Customer No. 023973

Street Address: 1500 K. Street, N.W., Suite 1100
City: Washington State: D.C. Zip: 20005-1209

6. Total number of applications and patents involved: 1

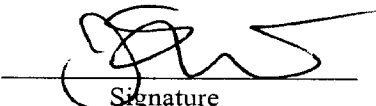
7. Total fee (37 C.F.R. §3.41): \$40.00
 Enclosed
 Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310
(Attach duplicate page if paying by deposit account)

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.

John G. Smith, Reg. #33,818
Name of Person Signing


Signature

June 6, 2005
Date

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

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(40.00 fee)

ASSIGNMENT

Whereas, I/we,

Name

Address

c/o Hamamatsu Photonics K.K.,

1) **Takashi WATANABE**

1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

c/o Hamamatsu Photonics K.K.,

2) **Yoshiro AKAI**

1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

c/o Hamamatsu Photonics K.K.,

3) **Shirou SAKAI**

1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

hereinafter called assignor(s), have invented certain improvements in

ALKALI METAL GENERATING AGENT, ALKALI METAL GENERATING DEVICE, PHOTO-CATHODE, SECONDARY-ELECTRON EMITTING SURFACE, ELECTRON TUBE, METHOD OF PRODUCTION OF PHOTO-CATHODE, METHOD OF PRODUCTION OF SECONDARY-ELECTRON EMITTING SURFACE, AND METHOD OF PRODUCTION OF ELECTRON TUBE

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on _____, Serial No. _____; and

Whereas

HAMAMATSU PHOTONICS K.K.

1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORS

DATE SIGNED

1):

Takashi Watanabe

December 27, 2004

Name:

Takashi WATANABE

2):

Yoshiro Akai

27th Dec, '04

Name:

Yoshiro AKAI

3):

Name:

Shirou SAKAI

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

ASSIGNMENT

Whereas, I/we,

Name

Address

1) **Takashi WATANABE**

c/o Hamamatsu Photonics K.K.,
1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan
c/o Hamamatsu Photonics K.K.,

2) **Yoshiro AKAI**

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3) **Shirou SAKAI**

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Hamamatsu-shi, Shizuoka 435-8558 Japan

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and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on _____, Serial No. _____; and

Whereas

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1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORS

DATE SIGNED

1): _____
Name: **Takashi WATANABE**

2): _____
Name: **Yoshiro AKAI**

3): Shirou Sakai
Name: **Shirou SAKAI**

February 8, 2005

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)