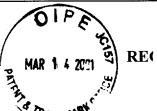
FORM PTO-1595 (Rev. 6-93)



03-21-2001



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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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Attorney Docket No.: 046124-5052

| **************************************  |  |  |
|---|--|--|
| To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.   | ATTN: BOX ASSIGNMENT   |  |
| 1. Name of conveying party(ies):  | 2. Name and address of receiving party(ies):   |  |
| <ul><li>(1) Hiroto SATO</li><li>(2) Takuya HOMME</li><li>(3) Toshio TAKABAYASHI</li></ul>   | Name: HAMAMATSU PHOTONICS K.K.   |  |
|   | Internal Address:  |  |
| Additional name(s) of conveying party(ies) attached?  Yes X_ No   |  |  |
| 3. Nature of conveyance:  | Street Address: 1126-1, Ichino-cho, Hamamatsu-shi, Shizuoka 435-8558 JAPAN City:                               |  |
| X Assignment Merger Security Agreement Change of Name Other   |  |  |
| Execution Date: (1) December 8, 2000  | State: Zip:  |  |
| (2) & (3) December 13, 2000   | Additional name(s) & address(es) attached?  _ Yes X No   |  |
| 4. Application number(s) or patent number(s): 09/737,817  If this document is being filed together with a new application the execution date of the Application is: |  |  |
| A. Patent Application No.(s)  | B. Patent No.(s)   |  |
| Additional numbers attached: Yes X No   | 1 Detects involved: 1  |  |
| <ol> <li>Name and address of party to whom correspondence<br/>concerning document should be mailed:</li> </ol>  | 6. Total number of Applications and Patents involved: 1  |  |
| Name: John G. Smith Internal Address: Customer No. 009629 Morgan, Lewis & Bockius LLP  Street Address: 1800 M Street, N.W. City: Washington State: D.C. Zip: 20036  | 7. Total fee (37 C.F.R § 3.41): \$\_\$40.00\$  X Enclosed  Authorized to be charged to Deposit Account 50-0310 |  |
|   | 8. Deposit Account Number: 50-0310 Attach duplicate of 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. No. 33,818 Name of Person Signing  Signature  Date  |  |  |
| 03/21/2001 TDIAZ1 00000024 09737817 Total number  | er of pages including cover sheet, attachments and documents: 2  |  |
| 01 FC:581 40.00 0P  |  |  |

PATENT REEL: 011588 FRAME: 0451

## ASSIGNMENT

Whereas, I/we,

## <u>Address</u>

<u>Name</u> c/o Hamamatsu Photonics K.K., **Hiroto SATO** 1126-1, Ichino-cho, Hamamatsu-shi, Shizuoka 435-8558 Japan c/o Hamamatsu Photonics K.K., Takuya HOMME 1126-1, Ichino-cho, Hamamatsu-shi, Shizuoka 435-8558 Japan c/o Hamamatsu Photonics K.K., Toshio TAKABAYASHI 1126-1, Ichino-cho Hamamatsu-shi, Shizuoka 435-8558 Japan

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

## SCINTILLATOR PANEL, RADIATION IMAGE SENSOR, AND METHODS OF MAKING THE SAME

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

> December 18, 2000 , Serial No. 09/737817\_ filed on

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. DATE SIGNED

| 200.g    |  | DATE SIGNED  |
|----------|--|--------------|
| <b>.</b> | INVENTORS Sac  | 178 00       |
| 1):      | Hiroto SATO  | ,            |
| Name:    |  | 12/13 00'    |
| 2):      | Jahnya Homme   |              |
| Name:    | Takuya Homme   | 12/          |
|          | $\tau \circ \tau \circ \iota \circ \iota \iota \circ \iota \circ \iota \circ \iota \circ \iota \circ \iota \circ \iota $ | 1/13 00      |
| 3):      | Joshio Jakabayasa  | <del>_</del> |
| Name:    | Toshio TANADATASHI   |              |

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

RECORDED: 03/14/2001