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PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| MASANORI YAMASHITA | 06/30/2015 |
| YUTAKA KUSUYAMA | 06/29/2015 |
| SHINTARO TOYAMA | 06/30/2015 |
| HIROTAKE OSAWA | 06/30/2015 |
| KATSUHIKO SUZUKI | 06/30/2015 |

RECEIVING PARTY DATA

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| State/Country: | JAPAN |
| Postal Code: | 435-8558 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14759739 |

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|-------------------------|--------------------|
| NAME OF SUBMITTER: | PETER J. SISTARE |
| SIGNATURE: | /Peter J. Sistare/ |
| DATE SIGNED: | 07/08/2015 |
| | • |

Total Attachments: 2

PATENT REEL: 036025 FRAME: 0234

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> PATENT REEL: 036025 FRAME: 0235

ASSIGNMENT

| | TENDED I TENDED I | |
|--|---|--|
| Whereas, I/we, | | |
| Name | Address | |
| <u> </u> | c/o Hamamatsu Photonics K.K., | |
| 1) Masanori YAMASHITA | 1126-1, Ichino-cho, Higashi-ku, | |
| 1) Masanon Tamasana | Hamamatsu-shi, Shizuoka 435-8558 Japan | |
| | c/o Hamamatsu Photonics K.K., | |
| 2) Yutaka KUSUYAMA | 1126-1, Ichino-cho, Higashi-ku, | |
| 2) | Hamamatsu-shi, Shizuoka 435-8558 Japan | |
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| 3) Shintaro TOYAMA | 1126-1, Ichino-cho, Higashi-ku, | |
| | Hamamatsu-shi, Shizuoka 435-8558 Japan | |
| 4) | c/o Hamamatsu Photonics K.K., | |
| 4) Hirotake OSAWA | 1126-1, Ichino-cho, Higashi-ku, | |
| | Hamamatsu-shi, Shizuoka 435-8558 Japan | |
| 5) Katsuhiko SUZUKI | c/o Hamamatsu Photonics K.K., 1126-1, Ichino-cho, Higashi-ku, | |
|) Katsuniko SOZOKI | Hamamatsu-shi, Shizuoka 435-8558 Japan | |
| hereinafter called assignor(s), have SCINTILLATOR PANEL MAD DETECTOR | NUFACTURING METHOD, SCINTILLATOR PANEL, AND R. | ADIATION |
| SCINTILLATOR PANEL MAI DETECTOR | • | |
| SCINTILLATOR PANEL MADETECTOR and executed an application for Le | NUFACTURING METHOD, SCINTILLATOR PANEL, AND R | |
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| SCINTILLATOR PANEL MADETECTOR and executed an application for Leindicated below: filed on | NUFACTURING METHOD, SCINTILLATOR PANEL, AND R. tters Patent of the United States of America therefor on even date here , Serial No. | with unless otherwise |
| SCINTILLATOR PANEL MADETECTOR and executed an application for Leindicated below: filed on Whereas HAMAMATSU PHOT | tters Patent of the United States of America therefor on even date here , Serial No. ONICS K.K. | with unless otherwise |
| and executed an application for Leindicated below: filed on Whereas HAMAMATSU PHOT 1126-1, Ice | tters Patent of the United States of America therefor on even date here , Serial No. ONICS K.K. hino-cho, Higashi-ku, | with unless otherwise |
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| and executed an application for Leindicated below: filed on Whereas HAMAMATSU PHOT 1126-1, Ic Hamamats (assignee), desires to acquire the epatents to be obtained therefor; NOW THEREFORE, be it hereby acknowledged, I/WE, as as | tters Patent of the United States of America therefor on even date here , Serial No. ONICS K.K. hino-cho, Higashi-ku, u-shi, Shizuoka 435-8558 Japan entire right, title and interest in the application and invention, and to any | with unless otherwise ; and United States eipt of which is sell, assign, transfer, |
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| and executed an application for Leindicated below: filed on Whereas HAMAMATSU PHOT 1126-1, Ic Hamamats (assignee), desires to acquire the epatents to be obtained therefor; NOW THEREFORE, be it hereby acknowledged, I/WE, as as and set over unto the assignee, its invention and this application, and | tters Patent of the United States of America therefor on even date here , Serial No. ONICS K.K. hino-cho, Higashi-ku, u-shi, Shizuoka 435-8558 Japan entire right, title and interest in the application and invention, and to any known that, for good and valuable consideration from assignee, the recessignor(s), have sold, assigned, transferred, and set over, and do hereby lawful successors and assigns, MY/OUR entire right, title, and interest | ; and United States eipt of which is sell, assign, transfer, in and to this nited States which |

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.

accordance with the terms of this Assignment;

| | <u>INVENTORS</u> | <u>DATE SIGNED</u> |
|-------|--------------------|--------------------|
| 1); | 上下推典 | 20/5/6/30 |
| Name: | Masanori YAMASHITA | |
| 2): | NO 2 IN | 2015/6/29 |
| Name: | Yutaka KUSUYAMA | |
| 3): | 外山真太郎 | 2015/6/30 |
| Name: | Shintaro TOYAMA ` | |

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

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(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261) Page 2 of 2