

06-25-1998

COVER SHEET



Tab settings

To the Honorable Commissioners.

100746994

the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <u>Shigetoshi Arai</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>Horiha, Ltd.</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>2 Miyano Higashi-machi, Kissyoin, Minami-ku, Kyoto, Japan</u></p> <p>City: _____ State: _____ ZIP: _____</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>March 27, 1998</u></p>	

4. Application number(s) or patent number(s): 6.17.98

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

<p>A. Patent Application No.(s) <u>09/036,396</u></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: <u>Joseph W. Price, Esq.</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>PRICE, GESS & UBELL 2100 S.E. Main St., Ste. 250</u></p> <p>City: <u>Irvine</u> State: <u>CA</u> ZIP: <u>92614</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>16-2462</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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.

Joseph W. Price [Signature] 6-12-98

Name of Person Signing Signature Date

FUJ2-BC29 Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT

WHEREAS, I/we, Shigetoshi ARAI

(hereinafter "Assignor(s)"), citizen(s) of Japan, have invented certain new and useful improvements in a AN ENERGY DISPERSIVE SEMICONDUCTOR X-RAY DETECTOR WITH IMPROVED SILICON DETECTOR for which I/we have executed application for Letters Patent of the United States, Serial No. 09/036,396, filed on March 6, 1998, and

WHEREAS, Horiba, Ltd.

hereinafter "Assignee"), a corporation of Japan, having a principal place of business at 2 Miyanohigashi-machi, Kissyojin, Minami-ku, Kyoto, Japan is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application,

NOW, THEREFORE, in consideration of the sum of One Hundred Yen (¥100) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the Assignor(s) have sold, assigned, transferred and set over, unto said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals and continuations thereof, and all Letters Patents of the United States, which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every country of the Union, and all applications for Letters Patents which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patents which may be granted for said improvements in any country or countries foreign to the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, on applications as aforesaid, to issue all Letters Patents for said improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I/WE, HEREBY covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me/us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything

possible to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 27th
day of March, 1998.

Shigetoshi Arai
Shigetoshi ARAI

IN TESTIMONY WHEREOF, I hereunto set my hand this _____
day of _____, 199 .

IN TESTIMONY WHEREOF, I hereunto set my hand this _____
day of _____, 199 .

RECORDED: 06/17/1998

PATENT
REEL: 9255 FRAME: 0800