## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Toshiyoshi Watanabe	12/14/2009
Kouji Miyatake	12/10/2009

### RECEIVING PARTY DATA

Name:	JEOL LTD.	
Street Address:	1-2, Musashino 3-chome, Akishima	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	196-8558	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12646496

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 0116-092906

NAME OF SUBMITTER: David C. Hanson

Total Attachments: 3

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PATENT REEL: 023696 FRAME: 0891 OF \$40.00 12646496

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PATENT REEL: 023696 FRAME: 0892 Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)

OMB No. 0051-0027 (exp. 6/30/2006)				
RECORDATION FORM COVER SHEET				
PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.			
1. Name of conveying party(ies)	2. Name and address of receiving party(les)			
Toshiyoshi Watanabe Kouji Miyatake	Name: JEOL LTD.			
Teorgi Milyanako	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes ✓ No  3. Nature of conveyance/Execution Date(s):	Street Address: 1-2, Musashino 3-chome, Akishima			
Execution Date(s) 12/14/2009 and 12/10/2009				
✓ Assignment Merger	Tokyo 196-8558, JAPAN			
Security Agreement Change of Name	City:			
Joint Research Agreement	State:			
Government Interest Assignment	Country			
Executive Order 9424, Confirmatory License	Country:Zip:			
Other	Additional name(s) & address(es) attached? 🗌 Yes 🗹 No			
A. Patent Application No.(s) 12/646,496  Additional numbers at	B. Patent No.(s)  tached? ☐ Yes ✓ No			
5. Name and address to whom correspondence	6. Total number of applications and patents			
concerning document should be mailed:	involved: 1			
Name: David C. Hanson	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40			
Internal Address: The Webb Law Firm	Authorized to be charged by credit card			
	Authorized to be charged to deposit account			
Street Address: 436 Seventh Avenue	Enclosed			
700 Koppers Building	None required (government interest not affecting title)			
City: Pittsburgh	8. Payment Information			
State: <u>PA</u>	a. Credit Card Last 4 Numbers 4775			
	Expiration Date <u>05/2012</u>			
Phone Number: 412-471-8815  Fax Number: 412-945-5933	b. Deposit Account Number <u>23-0650</u>			
Fax Number: 412-945-5933  Email Address: assignments@webblaw.com	Authorized User Name			
9. Signature: ( (a) (a) C ( A)	December 23, 2009			
' Signature	Date			
David C. Hanson  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Doc. No. 2008117

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, TOSHIYOSHI WATANABE and KOUJI MIYATAKE, do hereby sell and assign to JEOL LTD. of 1-2, Musashino 3-chome, Akishima, Tokyo 196-8558, Japan (hereinafter designated as the Assignee), the entire right, title, and interest for the United States of America as defined in 35 U.S.C. 100, in the invention known as SILICON DRIFT X-RAY DETECTOR for which we have this day executed an application for United States Letters Patent.

The undersigned agree 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 to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

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

The undersigned hereby grant David C. Hanson (Registration No. 23,024), Richard L. Byrne (Registration No. 28,498) and Randall A. Notzen (Registration No. 36,882), 700 Koppers Building, 436 Seventh Avenue, Pittsburgh, Pennsylvania 15219, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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PATENT REEL: 023696 FRAME: 0894

In witness whereof, executed by the undersigned on the date opposite the undersigneds' names.

Date 14. DEC. 2009 Inventor 遊逸俊善
Toshiyoshi WATANABE

Date Dec. 10, 2009 Inventor Kouji Miyatake

Kouji MIYATAKE