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103119051

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**  
Shinobu UNO

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: JEOL Ltd.  
Internal Address: \_\_\_\_\_  
Street Address: 1-2, Musashino 3-chome, Akishima  
Tokyo 196-8558, Japan  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Country: \_\_\_\_\_ Zip: \_\_\_\_\_  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) October 31, 2005

Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Joint Research Agreement  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s)  
11/226,907

B. Patent No.(s)  
\_\_\_\_\_  
Additional numbers attached?  Yes  No

FINANCE SECTION  
NOV 16 2005

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

Name: David C. Hanson  
Internal Address: The Webb Law Firm  
Street Address: 700 Koppers Building  
436 Seventh Avenue  
City: Pittsburgh  
State: PA Zip: 15219-1845  
Phone Number: 412-471-8815  
Fax Number: 412-471-4094  
Email Address: webblaw@webblaw.com

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:** David C. Hanson Signature November 8, 2005 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

{W0227764.1}

11/14/2005 BYRNE 00000164 11226907  
01 FC:0021 (40.00 DP)

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, said undersigned, SHINOBU UNO, does 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 METHOD OF CORRECTING CHROMATIC ABERRATIONS IN CHARGED-PARTICLE BEAM AND CHARGED-PARTICLE BEAM SYSTEM described and claimed in U.S. Application No. 11/226,907, filed September 14, 2005.

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

The undersigned hereby grants David C. Hanson (Registration No. 23,024); Richard L. Byrne (Registration No. 28,498) and Randall L. Notzen (Registration No. 36,882), whose address is 700 Koppers Building, 436 Seventh Avenue, Pittsburgh, Pennsylvania 15219-1845 (Telephone No. 412-471-8815) 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.

{W0224039.1}

In witness whereof, executed by the undersigned on the date opposite the undersigned's name.

Date October 31, 2005

Inventor Shinobu UNO  
Shinobu UNO

{W0224039.1}

- 2 -

RECORDED: 11/10/2005

PATENT  
REEL: 017195 FRAME: 0145