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1. Name of conveying party(ies):
Miyuki MATSUYA and Fumio HOSOKAWA
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: _____ Zip: _____
Additional name(s) & address(es) attached? Yes No

16670 U.S. PTO
10/603304
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3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: June 16, 2003, June 16, 2003

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: June 16, 2003
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? Yes No

10603304

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: David C. Hanson
Internal Address: Webb Ziesenheim Logsdon
Orkin & Hanson, P.C.
Street Address: 700 Koppers Building
436 Seventh Avenue
City: Pittsburgh State: PA Zip: 15219

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41)..... \$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
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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.
David C. Hanson, Reg. No. 23,024 [Signature] June 25, 2003
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 3

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{W0066745.1}

PATENT
REEL: 014238 FRAME: 0401

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, MIYUKI MATSUYA and FUMIO HOSOKAWA, 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 CHARGED-PARTICLE BEAM APPARATUS EQUIPPED WITH ABERRATION CORRECTOR 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 of 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 15219-1818, 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.

{W0064008.1}

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

Date June 16, 2003

Inventor Miyuki Matsuya
Miyuki MATSUYA

Date June 16, 2003

Inventor Fumio Hosokawa
Fumio HOSOKAWA

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