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To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

1. Name of conveying party(is):  
Masumi KATAGAMI and Miyuki KANEYAMA

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 01/18/01 and 01/18/01

2. Name and address of receiving party(is)  
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

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: \_\_\_\_\_

A. Patent Application No. (s)  
Serial No. 09/727,357, November 30, 2000

B. Patent No. (s)

Additional numbers attached?  Yes  No

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: 15219-1818

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

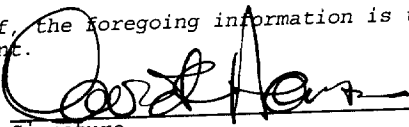
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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

David C. Hanson, Reg. No. 23,024  
Name of Person Signing

  
Signature

April 20, 2001  
Date

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover sheet information to:  
Commissioner for Patents, U.S. Patent and Trademark Office  
Office of Public Records, Crystal Gateway 4, Room 335  
Washington, D.C. 20231

ATTACHMENT TO FORM PTO-1595

JEOL Engineering, Co., Ltd.  
1-2, Musashino 3-chome, Akishima  
Tokyo 196-8558, Japan

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, said undersigned, MASUMI KATAGAMI and MIYUKI KANEYAMA, do hereby sell and assign to JEOL Ltd. of 1-2, Musashino 3-chome, Akishima, Tokyo 196-8558, Japan and JEOL Engineering, Co., Ltd. of 1-2, Musashino 3-chome, Akishima, Tokyo 196-8558, Japan (hereinafter designated as the Assignees), 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 SCANNING ELECTRON MICROSCOPE, for which an application for a patent in the United States of America was filed by the undersigned on November 30, 2000, bearing Serial No. 09/727,357.

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 Assignees 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 Assignees 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 Assignees.

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 of any division or divisions or continuing or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenant that we have full right to convey the entire interest herein assigned, and that we 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 L. Notzen (Registration No. 36,882), whose address is 700 Koppers Building, 436 Seventh Avenue, Pittsburgh, Pennsylvania 15219-1818 (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.

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

Date 2001. 01. 18

Inventor 片上 真澄  
Masumi KATAGAMI

Date 2001 01. 18

Inventor 金山 みゆき  
Miyuki KANEYAMA