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FINANCE SECTION

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

MSD 12/22/04

1. Name of conveying party(ies):
Tadanori YOSHIOKA and Eiichi WATANABE
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: JEOL Ltd. and JEOL Engineering Co., Ltd.
Internal Address: _____

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: November 25, 2004

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)
10/922,363, filed August 20, 2004
Additional numbers attached? Yes No

B. Patent No.(s)

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:
23-0650
(Attach duplicate copy of this page if paying by deposit account)

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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.
William H. Logsdon, Registration No. 22,132
William H. Logsdon Signature
December 20, 2004 Date
Name of Person Signing

12/23/2004 DRYRNF 00000019 10922363 Total number of pages including cover sheet, attachments, and documents: 3

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Mail documents to be recorded with required cover sheet information to:

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{W0159815.1}

PATENT
REEL: 016090 FRAME: 0924

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, said undersigned, TADANORI YOSHIOKA and EIICHI WATANABE, 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 (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 MASK AND APPARATUS USING IT TO PREPARE SAMPLE BY ION MILLING for which an application for a patent in the United States of America was filed by the undersigned on August 20, 2004, bearing Application No. 10/922,363.

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 for Patents 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.

{W0152222.1}

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

Date Nov. 25th 2004 Inventor 
Tadanori YOSHIOKA

Date November 25, 2004 Inventor 
Eiichi WATANABE