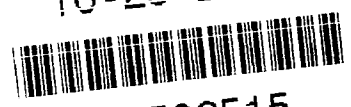


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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies): Nobuhiro SHIMIZU, Hiroshi TAKAHASHI, Yoshiharu SHIRAKAWABE, Jurgen P. BRUGGER, Walter Häberle, Gerd K. BINNIG and Peter Vettiger Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Seiko Instruments Inc.</u> Internal Address: _____ _____ Street Address: <u>8, Nakase 1-chome,</u> <u>Mihama-ku, Chiba-shi,</u> City: <u>Chiba</u> State: <u>Japan</u> Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	
Execution Date: <u>October 15, 2003</u>	

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) <u>09/803,862</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Bruce L. Adams</u> Internal Address: _____ _____ Street Address: <u>Adams & Wilks</u> <u>50 Broadway-31st Floor</u> City: <u>New York</u> State: <u>NY</u> Zip: <u>10004</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account any deficiency in enclosed fee 8. Deposit account number: <u>01-0268</u> (Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature. <i>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.</i> <u>Bruce L. Adams</u> <u>[Signature]</u> Name of Person Signing Signature October 21, 2003 Date Total number of pages including cover sheet, attachments, and documents: <u>3</u>	
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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

**MAILING CERTIFICATE ON
REVERSE SIDE OF PAGE**
PATENT
REEL: 014628 FRAME: 0658

ASSIGNMENT

WHEREAS, we, Nobuhiro Shimizu, Hiroshi Takahashi and Yoshiharu Shirakawabe, residing at c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan, Jurgen P. Brugger, residing at c/o University of Twente, Faculty of Electrical Engineering, P.O. Box 217 7500, Ae Enschede, Netherlands., and Walter Haberle, Gerd K. Binnig and Peter Vettiger, residing at c/o IBM Research Division Zurich Research Laboratory, Saumerstrasse 4, CH-8803, Ruschlikon Switzerland, have invented new and useful improvements in MICROPROBE AND SCANNING PROBE APPARATUS

HAVING MICROPROBE

for which we have prepared an application for Letters Patent of the United States of America;

AND WHEREAS, Seiko Instruments Inc., located and doing business at 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration to us in hand paid, the receipt of which is hereby acknowledged, we have assigned, sold and transferred and by these presents do hereby assign, sell and transfer unto the said Seiko Instruments Inc. for the territory of the United States of America, our entire right, title and interest in and to the said invention, and in and

to the said application, prepared and executed by us on

July 10, 2001, July 10, 2001, July 10, 2001, July 4, 2001, June 7, 2001, June 12, 2001 & Jun. 25, 2001, respectively filed March 12, 2001, Serial No. 09/803,862.

preparatory to obtaining Letters Patent thereon and in and to any and all divisions, reissues and continuations thereof, and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said Seiko Instruments Inc., its legal representatives and assigns, as

fully and entirely as the same would have been held by us had this assignment, sale and transfer not been made.

AND, we hereby covenant and agree that we will at any time upon the request and at the expense of said assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and we hereby authorize and request the Honorable Commissioner of Patents and Trademarks to issue the said Letters Patent to the said Seiko Instruments Inc. in accordance with this assignment.

Executed this 15th day of October, 2003 ~~xxxxxx~~ at

Witness:

Masaki Hori
Masaki Hori

Nobuhiro Shimizu (L.S.)
Nobuhiro Shimizu

Hiroshi Takahashi (L.S.)
Hiroshi Takahashi

Yoshiharu Shirakawabe (L.S.)
Yoshiharu Shirakawabe

Jurgen P. Brugger (L.S.)
Jurgen P. Brugger

Walter Häberle (L.S.)
Walter Häberle

Gerd K. Binnig (L.S.)
Gerd K. Binnig

Peter Vettiger (L.S.)
Peter Vettiger