FORM PT 2-1595 (Rev. 6-93)  RECOF  08 - 2	22 - 2002 ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
OMB No. 0651-0011 (exp. 4/94)  Tab settings □ □ □ ▼	
) legis total	198048 riginal documents or copy thereof.
1. Name of conveying party(ies):  Nobuhiro SHIMIZU  Akira INOUE  Yoshiharu SHIRAKAWABE ANCE SIGNON  Additional name(s) of conveying party(ies) attached?  Yes No	Name and address of receiving party(ies)     Name: Seiko Instruments Inc.     Internal Address:
3. Nature of conveyance: 8-29-02	
Assignment □ Merger	Street Address: 8, Nakase 1-chome,
☐ Security Agreement ☐ Change of Name	Mihama-ku, Chiba-shi
☐ Other	City: Chiba State: Japan ZIP:
Execution Date: November 2, 2000	Additional name(s) & address(es) attached? ☐ Yes ☐ No
If this document is being filed together with a new application  A. Patent Application No.(s)	B. Patent No.(s) 6,171,437
Additional numbers attached?  Yes 2 No	
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:
Name: Bruce L. Adams, Esquire	7. Total fee (37 CFR 3.41)\$ 40.00
Internal Address:	☑ Enclosed
	Authorized to be charged to deposit account any deficiency in enclosed fee
Street Address: Adams & Wilks	8. Deposit account number:
50 Broadway-31st Floor	01-0268
City: New York State: NY ZIP: 10004	(Attach duplicate copy of this page if paying by deposit account)
/22/2002 DBYRNE	
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.  Bruce L. Adams  Name of Person Signing  Total number of pages including cover sheet, attachments, and document:  3  AUGUST 13, 2002  Signature  Total number of pages including cover sheet, attachments, and document:	

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: 013193 FRAME: 0915** 

## **ASSIGNMENT**

WHEREAS, we, Nobuhiro Shimizu, Akira Inoue and Yoshiharu Shirakawabe, residing at c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan have invented new and useful improvements in SEMICONDUCTOR MANUFACTURING DEVICE

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 January 18, 1999, filed November 19,1998 Serial No. 09/197,585 now Patent No., 6,171,437, issued January 9, 2001, 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.

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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 2nd day of	of November , 2000 at
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Witness:	
Miwa Nakamura	<u>hobuhiro Shimizu</u> (L.S.)  Nobuhiro Shimizu
	Akira Inoue (L.S.) Akira Inoue
	Yoshiharu Shirakawabe
	(L.S.)

**RECORDED: 08/20/2002** 

PATENT REEL: 013193 FRAME: 0917