| 5 - 2002 T U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office | | | |
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| 33986 original documents or copy thereof. | | | |
| Name and address of receiving party(ies) | | | |
| Name: Seiko Instruments Inc. | | | |
| Internal Address: | | | |
| | | | |
| Street Address: 8, Nakase 1-chome, | | | |
| Mihama-ku, Chiba-shi | | | |
| City: Chiba State: Japan ZIP: | | | |
| Additional name(s) & address(es) attached? Yes No | | | |
| 4. Application number(s) or patent number(s): | | | |
| , the execution date of the application is: | | | |
| B. Patent No.(s) | | | |
| | | | |
| Additional numbers attached? ☐ Yes 🛱 No | | | |
| | | | |
| 6. Total number of applications and patents involved: | | | |
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| 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) | | | |
| 7. Total fee (37 CFR 3.41)\$ 40.00 | | | |
| 7. Total fee (37 CFR 3.41)\$ 40.00 Enclosed Authorized to be charged to deposit account any deficiency in enclosed fee | | | |
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ASSIGNMENT

| WHEREAS, I, Masamichi Oi, residing at c/o Seiko |
|--|
| Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba |
| Japan have invented new and useful improvements in |
| COMPOSITE CHARGED PARTICLE BEAM APPARATUS |
| for which I have prepared an application for Letters Patent o |
| 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 me in hand paid, the receipt of which is hereby acknowledged, I 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, my entire right, title and interest in and to the said invention, and in and to the said application, prepared and executed by me on June 25, 1999, filed May 17, 1999, Serial No. 09/313,118, 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 me had this assignment, sale and transfer not been made.

> PATENT REEL: 013006 FRAME: 0932

AND, I hereby covenant and agree that I 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 I 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 this13th da | y of <u>May, 2002</u> | , ¾⅓ <u>XX</u> at |
|-----------------------|------------------------|--------------------------|
| Witness: Masaki Hori | Masamichi Masamichi Oi | <u>(</u> L.S.) |
| | | (L.S.) |

RECORDED: 06/19/2002

PATENT REEL: 013006 FRAME: 0933