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IN FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Docket No.: US01-02020

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Yasumitsu WADA Name: Pioneer Corporation Address: 4-1, Meguro 1-chome, Meguro-ku 3. Nature of conveyance: ■ Assignment ☐ Merger City: Tokyo Change of Name State/Prov.: ☐ Security Agreement Country: JAPAN ZIP: □ Other Execution Date: September 26, 2002 Additional name(s) & address(es) attached? XI No 127006 *X* 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 26, 2002 Filing date B. Patent No.(s) Patent Application No. Additional numbers attached?
Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Sean M. McGinn, Esq. 7. Total fee (37 CFR 3.41):.....\$ 40.00 34,386 Registration No. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: McGinn & Gibb, PLLC Authorized to be charged to deposit account 8321 Old Courthouse Rd. 8. Deposit account number: Suite 200 State/Prov.: VA 50-0481 Vienna City: ZIP: 22182-3817 (Attach duplicate copy of this page if paying by deposit account) Country: USA DO NOT USE THIS SPACE 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. Sean M. McGinn, Esq. Name of Person Signing Total number of pages including cover sheet, attachments, and document:

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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

ASSIGNMENT

In consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree to assign, and hereby do assign, transfer, and set over to:

Pioneer Corporation

having the address:

4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(hereinafter designated as the "ASSIGNEE") the entire right, title, and interest for the United States and all foreign countries (including protection in foreign countries via the Patent Cooperation Treaty), in the invention, and all applications for patent and any Letters Patent which may be granted therefor, the application being known by the Title:

ELECTRON BEAM APPARATUS AND ELECTRON BEAM ADJUSTING METHOD

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed	on	 	
serial	No.		

- 1. The undersigned agree to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.
- 2. The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the ASSIGNEE in every way possible in obtaining evidence and going forward with such interference.
- 3. 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 Protection of Industrial property or similar agreements.
- 4. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

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5. The undersigned hereby authorize and request the commissioner of Patents in the Unite States and the appropriate national or regional authority in each foreign country to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE, as ASSIGNEE of the entire interest, and hereby covenants that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.

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

The undersigned hereby authorize the firm of

McGinn & Gibb, PLLC at the address of 8321 Old Courthouse Road, Suite 200, Vienna, Virginia 22182-3817, U.S.A.

to insert hereon any further identification necessary or desirable for recordation of this document.

Sep. 26, 2002

Jasumitsu Wada

Typed Name: Yasumitsu WADA