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Attorney Docket No.: 08594/012001

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May 5-22-98



Assistant Commissioner for Patents: F

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1. Name of conveying party(ies):
Mehran Nasser-Ghods

2. Name and address of receiving party(ies):
**Superior Design, Inc.
2 Centennial Drive
Peabody, Massachusetts**

Additional name(s) attached? Yes No

3. Nature of conveyance:
 Assignment
 Merger
 Security Agreement
 Change of Name
 Other:

Additional names/addresses attached? Yes No



Execution Date: **May 6, 1998**

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is: **May 6, 1998**

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name/address of party to whom correspondence concerning document should be mailed:

**John N. Williams
Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804**

6. Total number of applications/patents involved: **1**

7. Total fee (37 CFR 3.41): **\$40**

Enclosed
 Authorized to charge deposit account

8. Deposit account number: **06-1050**

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

John N. Williams

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **2**

"EXPRESS MAIL" Mailing Label Number EM028412987US

Date of Deposit May 22, 1998

I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20531

PATENT

REEL: 9233 FRAME 10678

ASSIGNMENT

For valuable consideration, I, Mehran Nasser-Ghodsji, of Hamilton, MA; hereby assign to SUPERIOR DESIGN, INC., a corporation organized and existing under the laws of Massachusetts with a place of business at 2 Centennial Dr., Peabody, MA, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled ION SOURCE, filed _____, and assigned U.S. Serial Number _____, and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and I agree for my heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at 2 Centennial Dr., Peabody, MA, this 6 day of MAY, 1998

MEHRAN NASSER-GHODSI L.S.

STATE OF MASSACHUSETTS :

COUNTY OF ESSEX :

Before me this 6 day of MAY, 1998, personally appeared MEHRAN NASSER-GHODSI, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Notary Public signature: Donna Lee Cunningham

My Commission Expires: 4/22/2005

[Notary's Seal Here]

For valuable consideration, SUPERIOR DESIGN, INC. hereby assigns to EBARA CORPORATION, a corporation organized and existing under the laws of Japan with its principal place of business at 11-1 Haneda Asahicho, Ohta-ku, Tokyo 144, Japan, and its successors and assigns the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent, entitled ION SOURCE, assigned above to SUPERIOR DESIGN, INC., and any and all rights in the parent application for United States Patent, entitled ION SOURCE, filed December 1, 1997, and assigned U.S. Serial Number 08/980,513.

IN WITNESS WHEREOF, SUPERIOR DESIGN, INC. has caused this instrument to be executed at 2 Centennial Dr., Peabody, MA by its duly authorized officer effective this 18 day of MAY, 1998.

SUPERIOR DESIGN, INC.

By Andrew Wittkower, President

STATE OF MASSACHUSETTS :

COUNTY OF ESSEX :

Before me this 18 day of MAY, 1998, before me personally came Andrew Wittkower, to me known, who, being duly sworn, deposes and says that he is PRESIDENT of SUPERIOR DESIGN, INC., the corporation described in, and which executed the foregoing instrument; that the seal affixed to said instrument is the seal of said corporation; that it was so affixed by direction of the Board of Directors of said corporation; and he signed his name thereto by like order.

Notary Public signature: Donna Lee Cunningham

My Commission Expires: 4/22/2005

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