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Department of Commerce  
Patents & Trademark Office

Attorney Docket No. 107443-00030  
Date: December 27, 2002

U.S. PTO  
10/329560  
12/27/02

12/27/02

To the Assistant Commissioner of Patents  
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

Mitsukuni TSUKIHARA; Yoshitaka AMANO; Mitsuki KABASAWA;  
Michiro SUGITANI; Hiroki MUROOKA; Hiroshi MATSUSHITA

Additional name(s) of conveying party(ies) attached?

Yes  No

2. Name and address of receiving party(ies):

Name: SUMITOMO EATON NOVA CORPORATION

Address: 10-1, Youga 4-chome, Setagaya-ku, Tokyo, Japan

Additional name(s) & address(es) attached?

Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: December 24, 2002

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: December 24, 2002

A. Patent Application No.(s)

B. Patent No.(s)

10/329560

Additional numbers attached?  Yes  No

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

Name: Arent Fox Kintner Plotkin & Kahn PLLC

Street Address: 1050 Connecticut Avenue N.W., Suite 400

Washington, D.C. 20036-5339

6. Total number of applications and patents involved:  
One

7. Total fee (37 CFR 3.41)..... \$ 40.00

Included in attached check.

Any additional fees are authorized to be charged to deposit account

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8. Deposit account number: 01-2300  
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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.

George E. Oram, Jr.

December 27, 2002

Name of Person Signing  
Reg. No. 27,931

Signature

Date

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

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Docket No. \_\_\_\_\_

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

SUMITOMO EATON NOVA CORPORATION

10-1, Youga 4-chome, Setagaya-ku, Tokyo, Japan

[Insert  
ASSIGNEE's  
Name(s)  
Address(es)]

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

ION BEAM PROCESSING METHOD AND APPARATUS THEREFOR

[Title of  
Invention]

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

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

(Arent Fox Kintner Plotkin & Kahn, PLLC is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

[\*If the assignment  
is being filed  
after the  
filing of the  
application, this  
section must be  
completed]

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)]

<u>M. Tsukihara</u> (SIGNATURE)	_____ MITSUKUNI TSUKIHARA (TYPE NAME)	_____ Dec. 24, 2002 (DATE)
<u>Y. Amano</u> (SIGNATURE)	_____ YOSHITAKA AMANO (TYPE NAME)	_____ Dec. 24, 2002 (DATE)
<u>M. Kabasawa</u> (SIGNATURE)	_____ MITSUAKI KABASAWA (TYPE NAME)	_____ Dec. 24, 2002 (DATE)
<u>M. Sugitani</u> (SIGNATURE)	_____ MICHIRO SUGITANI (TYPE NAME)	_____ Dec. 24, 2002 (DATE)
<u>H. Murooka</u> (SIGNATURE)	_____ HIROKI MUROOKA (TYPE NAME)	_____ Dec. 24, 2002 (DATE)
<u>H. Matsushita</u> (SIGNATURE)	_____ HIROSHI MATSUSHITA (TYPE NAME)	_____ Dec. 24, 2002 (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

NO LEGALIZATION REQUIRED

**PATENT**

**RECORDED: 12/27/2002**

**REEL: 013622 FRAME: 0774**