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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Graham Thomas Rose

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DOCUMENT ID NO.: 10189963

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

Name: Ion Beam Applications, s.a.

Address: rue J.E. Lenoir, 6

Chemin du Cyclotron, 2

B-1348 Louvain-la-Neuve

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

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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:

Patent Application No.	Filing date
09/987,966	11/16/2001

B. Patent No.(s)

Additional numbers  Yes  No

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

Name: Mark Lee Hogge

Registration No. 31,622

Address: 1001 Pennsylvania Avenue, N.W.

Suite 300 - South

02/20/2002 JJALLAH2 00000024 09987966

01 FC:581 40.00 OP  
 City: Washington State/Prov.: DC  
 Country: US ZIP: 20004

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

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*Christopher Casier*

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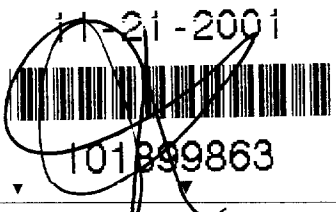
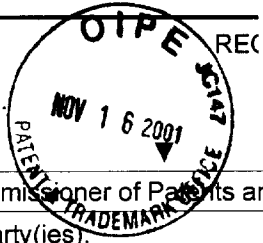
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Graham Thomas Rose

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B-1348 Louvain-la-Neuve

City: \_\_\_\_\_ State/Prov.: \_\_\_\_\_

Country: Belguim ZIP: \_\_\_\_\_

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11/20/2001 DBYRNE 00000015 CLARK ROBINSON

01 FC:581 40.00 DP  
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W. Robinson H. Clark

W. Robinson H. Clark

Name of Person Signing

Signature

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Date

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Adjustment date: 02/20/2002  
11/20/2001 DBYRNE 00000015 CLARK ROBINSON 01 FC:581

**Assignment of Rights in Invention**  
**(Sole inventor; single assignee, without witness or notarization)**

Docket No.

12346

Inventor

Residence of Inventor

Graham Thomas Rose

8 Vermont Avenue  
Ottawa Ontario  
Canada  
K2G6J6

Assignee

Residence or Principal Place of Business of Assignee

Ion Beam Applicaton, s.a.

rue J.E. Lenoir, 6  
Chemin du Cyclotron, 2  
B-1348 Louvain-la-Neuve  
Belgium

*Whereas, I, the above-identified Inventor, have invented certain new and useful improvements in:*  
**ARTICLE IRRADIATION SYSTEM WITH MULTIPLE BEAM PATHS**

*(hereinafter referred to as "Invention") for which I am making application for Letters Patent in the United States of America;*

*And, whereas I desire to assign a 100% undivided interest in said Invention, said application disclosing the Invention and any Letters Patent which may be granted therefor to the above-identified Assignee, and whereas said Assignee is desirous of acquiring the entire right, title and interest in the same;*

*Now, this indenture witnesseth, that for the sum of \_\_\_\_\_ dollars (\$ \_\_\_\_\_), and other good and valuable consideration, the receipt whereof is hereby acknowledged;*

*I hereby assign, sell and transfer a 100% undivided interest in said invention, said application, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;*

*And I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Assignee, as assignee of the whole right, title and interest thereto;*

*And I further agree to execute all necessary and lawful future documents, including assignments in favor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patent of the United States and countries foreign thereto;*

**Assignment of Rights in Invention**  
(Sole inventor; single assignee; without witness or notarization)

Docket No.

12346

Inventor

Residence of Inventor

Graham Thomas Rose

8 Vermont Avenue  
Ottawa Ontario  
Canada  
K2G6J6

Assignee

Residence or Principal Place of Business of Assignee

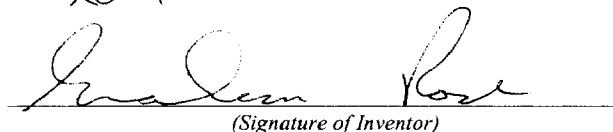
Ion Beam Applicaton, s.a.

rue J.E. Lenoir, 6  
Chemin du Cyclotron, 2  
B-1348 Louvain-la-Neuve  
Belgium

*And I further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee thereof shall hereafter require and prepare at its own expense.*

Executed this 12 day of November, in the year 2001

at

  
(Signature of Inventor)