

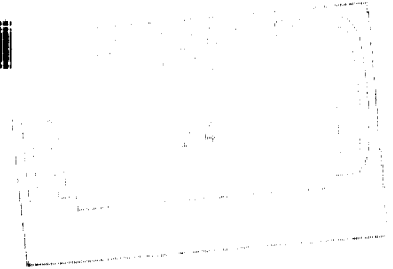
MRD 7-24-98

07-28-1998



RECORDATION FORM CO

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Box Assignments  
Commissioner of Patents and Trademarks  
Washington, DC 20231

Please record the attached original document.

1. Name of conveying party(ies):

Yves JONGEN

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

Name: Ion Beam Applications S.A.  
Street Address: Rue J.E. Lenoir, 6  
City, State, ZIP: B-1348 Louvain-la-Neuve  
Country: Belgium

3. Nature of Conveyance: Assignment  
Execution Date: January 20, 1998

4. Application No. 09/051,306 filed 04/03/98

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

James E. Alix, Esq.  
Alix, Yale & Ristas  
750 Main Street  
Hartford, CT 06103-2721

6. Total number of applications involved: 1

7. Total fee enclosed: \$40.00. If this amount is incorrect, please charge or credit the difference to Deposit Account No. 16-2563.


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

To the best of my knowledge and belief, the foregoing information is true and correct.

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James E. Alix, Reg. No. 20,736

Date: July 22, 1998

Attorney's Docket No. VAN/121/PC/US

ASSIGNMENT

(1-6) *Insert Name(s) of Inventors + address*

(1) **JONGEN Yves**  
**Avenue des Citeaux, 16 B-1348 LOUVAIN-LA-NEUVE BELGIUM**

(2)

(3)

(4)

(5)

(6)

and

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree(s) to sell, assign, transfer and set over to

(7) *Insert Name of Assignee*

(7) **ION BEAM APPLICATIONS S.A.**

(8) *Insert Address of Assignee*

(8) **of Rue J.E. Lenoir, 6 B-1348 LOUVAIN-LA-NEUVE BELGIUM**

(9) *Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)*

(9) a of **BELGIUM**

(herein after designated as the Assignee), its successors and legal representatives the entire right, title and interest for the United States, its territories, dependencies and possessions and in any and all foreign countries, in the invention known as

(10) *Insert Identification of Invention, such as Title, Case Number or Foreign Application Number*

(10) **METHOD FOR SWEEPING CHARGED PARTICLES OUT OF AN ISOCHRONOUS CYCLOTRON, AND DEVICE THEREFOR.**

for which the undersigned has (have) executed an application for patent in the United States of America and/or in any other country to the full end of the term for which said patent may be granted

(11) *Insert Date of Signing of Application, or filing date and Serial No., if known*


(11) Said application having been executed/filed on ...  
(and assigned Serial No. ...)

- 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee, its successors and legal representatives may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee, its successors and legal representatives in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent and/or a grant of a valid patent in any other country, to the Assignee, its successors and legal representatives.
- 5) The undersigned hereby authorise(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, its successors and legal representatives, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT

- 6) The undersigned agree(s) to communicate to the said Assignee, its successors and legal representatives any facts known to him (them) respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths and generally do everything possible to aid the said Assignee, its successors and legal representatives to obtain and enforce proper patent protection for said invention in any country.

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

Date	20/01/98	<b>JONGEN Yves</b> Name of Inventor		(SIGNATURE)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Witness

Witness

Additional inventor's names and signatures on a separate sheet