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Wickham ALLEN (December 22, 2003)
Philippe PELTIER (January 20, 2004)
Noel GOETHALS (February 20, 2004)

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ION BEAM APPLICATIONS S.A.
Chemin du Cyclotron, 3
B-1348 Louvain-La-Neuve
Belgium

Additional name(s) of conveying party(ies) attached? Yes No

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If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/487129

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: John J. Gresens
Address: Merchant & Gould P.C.
P. O. Box 2903
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

- 7. Total fee (37 CFR 3.41): \$40.00
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July 13, 2004

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PATENT
REEL: 015570 FRAME: 0484

ASSIGNMENT

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

(1) **ALLEN Wickham**
314 West Nelson Street, Midland MI 48640
MIDLAND MI 48640 / UNITED STATES

(2) **PELTIER Philippe**
Avenue Alphonse Valkeners 19/3
B- 1160 AUDERGHEM / BELGIUM

(3) **GOETHALS Noël**
Weide 6
B- 9991 MALDEGEM / BELGIUM

(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*
(8) *Insert Address of Assignee*

(7) **ION BEAM APPLICATIONS S.A.**
(8) **of Chemin du Cyclotron, 3**
B-1348 LOUVAIN-LA-NEUVE

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

(9) a **corporation** 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 AND INSTALLATION FOR IRRADIATING BULK MATERIAL**

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 authorize(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.
- 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 *Name of Inventor* *(SIGNATURE)*

ALLEN Wickham

Date *Name of Inventor* *(SIGNATURE)*

20 JAN. 2004

PELTIER Philippe

Date *Name of Inventor* *(SIGNATURE)*

GEOTHALS Noël

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