

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MICHEL ABS | 07/07/2010 |
| SZYMON ZAREMBA | 07/07/2010 |
| WILLEM KLEEVEN | 07/07/2010 |
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| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14594852 |
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| SIGNATURE: | /Calista J. Mitchell/ |
| DATE SIGNED: | 06/25/2015 |
| Total Attachments: 2 | |
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| source=134227_Assignment-ParentApplication#page2.tif | |


ASSIGNMENT

We, MICHEL ABS, of Bossière, Belgium, SZYMON ZAREMBA, of Namur, Belgium, and WILLEM KLEEVEN, of Pellenberg, Belgium, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to ION BEAM APPLICATIONS S.A., a Belgian corporation, having its principal place of business at Chemin du Cyclotron 3, B-1348 Louvain-la-Neuve, Belgium, its successors, assigns and legal representatives, the entire right, title and interest, in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

PARTICLE BEAM TRANSPORT APPARATUS AND METHOD OF
TRANSPORTING A PARTICLE BEAM WITH SMALL BEAM SPOT SIZE

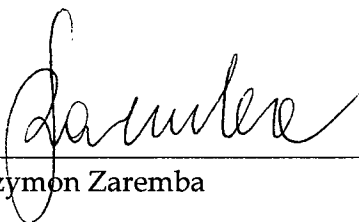
Application No. 12/680,158, filed March 25, 2010, and in and to all Letters Patent and all Convention and Treaty rights of all kinds, including the right to claim priority from said application, and all rights in and to any continuation, continuation-in-part, and divisional application therefrom, and any reissue or re-examination as to any Letters Patent issuing therefrom, in all countries throughout the world, for all such subject matter described therein, including all rights of action and rights to recover damages for past infringements. We agree to sign all documents necessary to secure all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

July 7, 2010

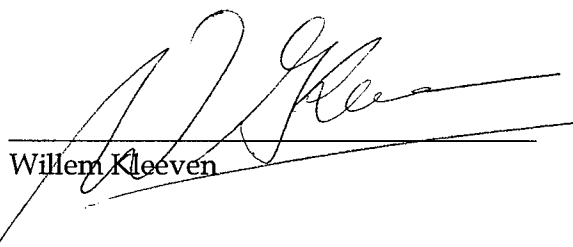


Michel Abs

July 7, 2010


Szymon Zaremba

July 7, 2010


Willem Kleeven