

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Josef Biberger</td><td>03/18/2011</td></tr><tr><td>Ralph Pulwey</td><td>04/11/2011</td></tr></tbody></table>		Name	Execution Date	Josef Biberger	03/18/2011	Ralph Pulwey	04/11/2011				
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Carl Zeiss NTS GmbH</td></tr><tr><td>Street Address:</td><td>Carl-Zeiss-Strasse 56</td></tr><tr><td>City:</td><td>Oberkochen</td></tr><tr><td>State/Country:</td><td>GERMANY</td></tr><tr><td>Postal Code:</td><td>73447</td></tr></table>		Name:	Carl Zeiss NTS GmbH	Street Address:	Carl-Zeiss-Strasse 56	City:	Oberkochen	State/Country:	GERMANY	Postal Code:	73447
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (650)941-6376 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	Z11056-US										
NAME OF SUBMITTER:	Bruce D Riter										
Total Attachments: 1 source=Z11056-US_Signed_Assignment_#page1.tif											

OP \$40.00 13025556

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PATENT
REEL: 026146 FRAME: 0910

ASSIGNMENT

WHEREAS, WE,

Josef BIBERGER, a citizen of Germany residing at Schweinbach 39, 93359 Wildenberg, Germany; and
Ralph PULWEY, a citizen of Germany residing at Heinrich-Rieger-Strasse 12/2, 73430 Aalen, Germany.

ASSIGNORS, are the inventors of the invention in PARTICLE BEAM SYSTEMS for which we have executed an application for a Patent of the United States

- ☐ which is executed on _____ ☐ even date herewith or ☐ _____
☒ which is identified by Atty. Docket No. Z11056-US
☒ which was filed on 11 February 2011, Application No. 13/025,556
☐ We hereby authorize and request attorney Bruce D. Riter to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

AND WHEREAS, Carl Zeiss NTS GmbH, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, their successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

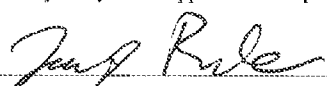
AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

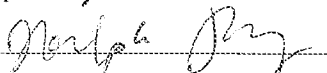
AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date March 18, 2011

Josef BIBERGER  L.S.

Date April 11, 2011

Ralph PULWEY  L.S.