

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
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CORRESPONDENCE DATA																	
<p>Fax Number: (508)898-8602 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 5088988601 Email: docketing@westboro-ip.com Correspondent Name: Muirhead and Saturnelli, LLC Address Line 1: 200 Friberg Parkway Address Line 2: Suite 1001 Address Line 4: Westborough, MASSACHUSETTS 01581</p>																	
ATTORNEY DOCKET NUMBER:	FRM-091US																

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PATENT
REEL: 026036 FRAME: 0201

NAME OF SUBMITTER:

Donald W. Muirhead

Total Attachments: 2

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ASSIGNMENT

WHEREAS, Dr. Josef BIBERGER of Wildenberg, GERMANY, Dr. Ralph PULWEY of Aalen, GERMANY, Ernst DRASZBA of Wittislingen, GERMANY, Klaus HEGELE of Aalen, GERMANY, Harald NIEBEL of Oberkochen, GERMANY, Andreas ADOLF of Aalen, GERMANY, and Rainer ARNOLD of Ulm, GERMANY, have developed certain inventions described in U.S. patent application titled

METHOD FOR PRODUCING A REPRESENTATION OF AN OBJECT BY MEANS OF A PARTICLE BEAM, AS WELL AS A PARTICLE BEAM DEVICE FOR CARRYING OUT THE METHOD

which was filed on December 22, 2010, as U.S. Patent Application Serial No. 12/930,046, and have full right to convey the entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and



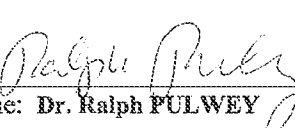



WHEREAS, Carl Zeiss NTS GmbH ("ASSIGNEE"), a corporation having offices at Carl-Zeiss-Strasse 56, 73447 Oberkochen, Germany, is desirous of acquiring the entire right, title and interest in and to said inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to said inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in the U.S. or any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any U.S. or international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said ASSIGNEE or its successors and assigns, to communicate to said ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said inventions in this or any foreign country.

Each of the undersigned hereby authorizes Muirhead and Saturnelli, LLC, 200 Friberg Parkway, Suite 1001, Westborough, MA 01581 to insert hereon any further identification information necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

<u>Inventor(s)</u>	<u>Date Signed</u>	<u>Witness</u>
1.  Name: Dr. Josef BIBERGER	Feb 04, 2011 Date	 Witness
2.  Name: Dr. Ralph PULWEY	Feb. 28, 2011 Date	 Witness
3.  Name: Mr. Ernst DRASZBA	Feb. 11, 2011 Date	 Witness

(X) Additional inventors are being named on a separate sheet attached hereto

ASSIGNMENT
(Continued)

<u>Inventor(s)</u>	<u>Date Signed</u>	<u>Witness</u>
4. <u>Klaus Heger</u> Name: Mr. Klaus HEGELE	<u>Feb. 11. 2011</u> Date	<u>A. Kumbel</u> Witness
5. <u>Mr. Niebel</u> Name: Mr. Harald NIEBEL	<u>Feb. 11. 2011</u> Date	<u>A. Kumbel</u> Witness
6. <u>Andreas Adorf</u> Name: Mr. Andreas ADOLF	<u>Feb. 24. 2011</u> Date	<u>A. Kumbel</u> Witness
7. <u>Rainer Arnold</u> Name: Mr. Rainer ARNOLD	<u>Feb. 17. 2011</u> Date	<u>A. Kumbel</u> Witness