

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	Erik Essers	02/11/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	CARL ZEISS MICROSCOPY GMBH	
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<b>City:</b>	JENA	
<b>State/Country:</b>	GERMANY	
<b>Postal Code:</b>	07745	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16706431
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	23505-0060001	
<b>NAME OF SUBMITTER:</b>	ALISSA TIZZANO	
<b>SIGNATURE:</b>	/Alissa Tizzano/	
<b>DATE SIGNED:</b>	02/26/2020	
<b>Total Attachments: 2</b>		
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### ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, ERIK ESSERS, assigns to CARL ZEISS MICROSCOPY GMBH, a corporation formed under the laws of Germany and having a principal place of business at Carl-Zeiss-Promenade 10, 07745 Jena, Germany, and its successors, transferees, and assignees (collectively the "Assignee"), all of my right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names me as inventor, is titled "PARTICLE BEAM SYSTEM AND METHOD FOR OPERATING A PARTICLE BEAM SYSTEM," and was filed in the United States Patent and Trademark Office on December 6, 2019, as application 16/706,431 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

I authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in my name or in the Assignee's name.

I represent and warrant that I have the right and power to make this Assignment and that I have not made and will not make any other assignment that conflicts with this Assignment.

I will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Erik Essers  
Erik Essers

Date: February 11, 2020

Witnessed by:

Signature: I. Fritz

Date: February 11, 2020

Print Name: Ingrid Fritz

Signature: S. Tritscher

Date: Feb. 11, 2020

Print Name: Sandra Tritscher

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