

## 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>
NILS HAVERKAMP	11/06/2017
DOMINIK SEITZ	11/09/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CARL ZEISS INDUSTRIELLE MESSTECHNIK GMBH
<b>Street Address:</b>	CARL-ZEISS-STRASSE 22
<b>City:</b>	OBERKOCHEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	73447
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15718156
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	248-641-1600
<b>Email:</b>	troy@mailroom@hdp.com, bhalabis@hdp.com
<b>Correspondent Name:</b>	HARNES, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	P.O. BOX 828
<b>Address Line 4:</b>	BLOOMFIELD HILLS, MICHIGAN 48303
<b>ATTORNEY DOCKET NUMBER:</b>	17272M-000123-US-CO
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER M. BROCK
<b>SIGNATURE:</b>	/Christopher M. Brock/
<b>DATE SIGNED:</b>	06/28/2018
<b>Total Attachments: 4</b>	
source=Assignment-HAVERKAMP#page1.tif	
source=Assignment-HAVERKAMP#page2.tif	
source=Assignment-SEITZ#page1.tif	
source=Assignment-SEITZ#page2.tif	

## Assignment

Whereas, I/We, HAVERKAMP, Nils of Weiße Steige 32, 73431 Aalen, Germany hereinafter called assignor, have invented certain improvements in

Motion-Measuring System of a Machine and Method for operating the Motion-Measuring System

and executed an application for Letters Patent of the United States therefor; and

Whereas, Carl Zeiss Industrielle Messtechnik GmbH, having a place of business at Carl-Zeiss-Straße 22, 73447 Oberkochen, Germany, hereinafter called assignee, desires to acquire the entire right, title, and interest in the application and the invention disclosed therein, and to any United States patents to be obtained therefor;

Therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor, hereby state as follows:

To the extent that my entire right, title and interest in the application and the invention disclosed therein have not transferred to the assignee by virtue of applicable law and/or contract, I/We hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire/remaining, present/expectant right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisionals and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119; and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request the attorneys of Harness, Dickey & Pierce P.L.C., P.O. Box 828, Bloomfield Hills, Michigan 48303, USA to insert here in parentheses

(Application number 15/718156, filed March 30, 2016 and Confirmation number 7254)  
the application number and filing date of said application when known.

Nils Haverkamp 6. Nov. 2017  
Signature Date  
HAVERKAMP, Nils  
Typed or printed name

Witnessed by:

S. Tritschler Nov. 6, 2017  
Signature Date  
Sandra Tritschler  
Typed or printed name

Witnessed by:

S. Sporfeldt Nov. 6, 2017  
Signature Date  
Sarah Sporfeldt  
Typed or printed name

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. 5261)

## Assignment

Whereas, I/We, SEITZ, Dominik of Oberbettringer Straße 73, 73525 Schwäbisch Gmünd, Germany hereinafter called assignor, have invented certain improvements in

Motion-Measuring System of a Machine and Method for operating the Motion-Measuring System

and executed an application for Letters Patent of the United States therefor; and

Whereas, Carl Zeiss Industrielle Messtechnik GmbH, having a place of business at Carl-Zeiss-Straße 22, 73447 Oberkochen, Germany, hereinafter called assignee, desires to acquire the entire right, title, and interest in the application and the invention disclosed therein, and to any United States patents to be obtained therefor;

Therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor, hereby state as follows:

To the extent that my entire right, title and interest in the application and the invention disclosed therein have not transferred to the assignee by virtue of applicable law and/or contract, I/we hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire/remaining, present/expectant right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisionals and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119; and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request the attorneys of Harness, Dickey & Pierce P.L.C., P.O. Box 828, Bloomfield Hills, Michigan 48303, USA to insert here in parentheses

(Application number 15/718156, filed March 30, 2016 and Confirmation number 7254)  
the application number and filing date of said application when known.

Dominik Seitz 06/11/2017  
Signature Date  
SEITZ, Dominik  
Typed or printed name

Witnessed by:

S. Tritscher Nov. 9, 2017  
Signature Date  
Sandra Tritscher  
Typed or printed name

Witnessed by:

S. Sporfeldt Nov. 9, 2017  
Signature Date  
Sarah Sporfeldt  
Typed or printed name

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. 5261)