#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6583378

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
THOMAS ENGEL	12/01/2016
NILS HAVERKAMP	11/22/2016
RAINER SAGEMUELLER	11/30/2016
DOMINIK SEITZ	11/22/2016
TOBIAS HELD	01/11/2017

#### **RECEIVING PARTY DATA**

Name:	CARL ZEISS INDUSTRIELLE MESSTECHNIK GMBH
Street Address:	CARL-ZEISS-STRASSE 22
City:	OBERKOCHEN
State/Country:	GERMANY
Postal Code:	73447

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16740422

#### **CORRESPONDENCE DATA**

Fax Number: (248)641-0270

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.

Phone: 248.341.1330

Email: troymailroom@hdp.com, dstrate@hdp.com, aminarik@hdp.com

HARNESS, DICKEY & PIERCE, P.L.C. **Correspondent Name:** 

5445 CORPORATE DRIVE Address Line 1:

SUITE 200 Address Line 2:

Address Line 4: TROY, MICHIGAN 48098

ATTORNEY DOCKET NUMBER:	17272M-000084-US-COC
NAME OF SUBMITTER:	DANIELLE STRATE
SIGNATURE:	/danielle Strate/
DATE SIGNED:	03/04/2021

**Total Attachments: 10** 

**PATENT** REEL: 055491 FRAME: 0845

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source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page1.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page3.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page4.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page5.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page6.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page7.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page8.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page8.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page9.tif source=84US Executed Assignment- Engel, Haverkamp, Sagemuller, Seitz, Held to CZIM#page9.tif

Whereas, I/We, ENGEL, Thomas of Härtsfeldstraße 146, 73432 Aalen, Germany hereinafter called assignor, have invented certain improvements in

Method and Arrangement for Producing a Workpiece by Using Additive

Manufacturing Techniques

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 for all countries foreign thereto, including rights of priority under applicable conventions and treaties; 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 hereby agree that the assignee may apply for foreign Letters Patent on the invention; 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 U S A to insert here in parentheses

application number a	nd filing date of said app	lication when known.	
	Signature TORKAS	QL_	Dec. 01, 2016
	ENGEL, Thomas		
	Typed or printed name		
Witnessed by:	11.00		1 <sup>m</sup>
	U:QoQ a		<u> </u>
	ENGEL Typed or printed name	NIKOLA	
Witnessed by:	4		
	Signature		Date
	Typed or printed name		<b></b>

(Application number 14/248610, filed April 9, 2014 and Confirmation number 2360) the

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

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

# Method and Arrangement for Producing a Workpiece by Using Additive Manufacturing Techniques

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 for all countries foreign thereto, including rights of priority under applicable conventions and treaties; 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 hereby agree that the assignee may apply for foreign Letters Patent on the invention; 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 U S A to insert here in parentheses

(Application number	14/248610, 1	filed April 9,	2014 and Con	firmation nu	mber 2360) the
application number an	d filing date	of said applica	tion when knov	vn.	
	NAS	Horal	a. m./1	22 1	av 2016
	Signature			Date	***************************************
	HAVERKA	MP, Nils			
	Typed or printe	d name	***************************************	***************************************	***************************************
Witnessed by:					
	Sandi Signature	a Rolle		<u> </u>	. 2016
	_	<u>L Flotto</u> d name	<u> </u>		
Witnessed by:	79ñ 2	Man	<b>A</b>		

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Whereas, I/We, SAGEMÜLLER, Rainer of Scherrenbergstraße 51, 73434 Aalen, Germany hereinafter called assignor, have invented certain improvements in

Method and Arrangement for Producing a Workpiece by Using Additive

Manufacturing Techniques

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 for all countries foreign thereto, including rights of priority under applicable conventions and treaties; 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 hereby agree that the assignee may apply for foreign Letters Patent on the invention; 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 U S A to insert here in parentheses

application num	ber and filing date of said application when kn	own.
	Trie Lenilla	30.17.204
	Signature	Date
	SAGEMÜLLER, Rainer	
	Typed or printed name	
Witnessed by:		
	Sandra Polla	<u> </u>
	Signature	Date
	Sandra Flotta Typed or printed name	
Witnessed by:	Signature	30.44.2016
	Tina Warzecha Typed or printed name	

(Application number 14/248610, filed April 9, 2014 and Confirmation number 2360) the

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261).

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

# Method and Arrangement for Producing a Workpiece by Using Additive Manufacturing Techniques

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

Whereas, Carl Zeiss Industrielle Messtechnik CmbH, 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 for all countries foreign thereto, including rights of priority under applicable conventions and treaties; 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 hereby agree that the assignee may apply for foreign Letters Patent on the invention; 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 U S A to insert here in parentheses

application numb	per and filing date of said application when kno	Wn.
	Durah Az	27.11.0016
	Signature	Date
	SEITZ, Dominik	
	Typed or printed name	
Witnessed by:		
	Sandra Flota	20.11.2016
	Signature	Date
	Sandra Flotta	
	Typed or printed name	··············
Wimessed by:	The Wards	22. 11. 2016
	Signature	Date
	Tina Wasteda	
	Typed or printed name	

(Application number 14/248610, filed April 9, 2014 and Confirmation number 2360) the

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Whereas, I/We, HELD, Tobias of Eselerstraße 6, 86720 Nördlingen, Germany hereinafter called assignor, have invented certain improvements in

Method and Arrangement for Producing a Workpiece by Using Additive

Manufacturing Techniques

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 assignce, 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 for all countries foreign thereto, including rights of priority under applicable conventions and treaties; 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 hereby agree that the assignee may apply for foreign Letters Patent on the invention; 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 U S A to insert here in parentheses

(Application number 14/248610, filed April 9, 2014 and Confirmation number 2360) the application number and filing date of said application when known.

	7.4 Nove	1/11/2011
	Signature	Date
	HELD, Tobias	
	Typed or printed name	
Witnessed by:		
	Sendra Rolla	1111/2012
	Signature	Date
	Sourchio Tilotto Typed or printed name	
Witnessed by:	Qua Oscarello	1/11/2019
	Signature	Date
	Tina Warzecha	
	Typed or printed name	

(Legalization not required for recording but is prima facio evidence of execution under 35 U.S.C. §261)

**PATENT** 

REEL: 055491 FRAME: 0856