

## 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>
	XIAOBING ZHANG	09/27/2019
	BO CHENG	09/27/2019
	CHARLES TUFFILE	09/27/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ROBERT BOSCH GMBH	
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<b>State/Country:</b>	GERMANY	
<b>Postal Code:</b>	D-70442	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16592250	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(248)358-3351	
<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>		
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<b>ATTORNEY DOCKET NUMBER:</b>	RBPA0159PUS	
<b>NAME OF SUBMITTER:</b>	JONATHAN D. NIKKILA	
<b>SIGNATURE:</b>	/JONATHAN D. NIKKILA/	
<b>DATE SIGNED:</b>	10/03/2019	
<b>Total Attachments: 2</b>		
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ASSIGNMENT

Pursuant to our obligation to Robert Bosch GmbH (hereinafter referred to as "Assignee"), a German corporation having a mailing address at:

Postfach 30 02 20  
D-70442 Stuttgart  
GERMANY

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,

We:

XIAOBING ZHANG  
120 Walnut Ct.  
Highland Park NJ, 08094

BO CHENG  
72 Glenwood Street  
Malden MA, 02148

CHARLES TUFFILE  
188 Cummings Rd.  
Swansea MA, 02777

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, except as set forth below, our entire right, title and interest –

(1) in and to an invention entitled "BUILD CHAMBER FOR USE IN POWDER BED-BASED LASER ADDITIVE MANUFACTURING PROCESSES" for which we have executed a United States patent application, said United States application being assigned U.S. Serial No. 16/592,250 filed October 3, 2019;

(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), reissue applications, and international patent applications designating the United

States) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted; and

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including patent applications filed under the Patent Cooperation Treaty, the European Patent Convention or any other international treaty, and including the right to claim priority of said United States application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

Date: 9/27/2019

*Xiaobing Zhang*

XIAOBING ZHANG

Date: 09/27/2019

*Bo Cheng*

BO CHENG

Date: \_\_\_\_\_

pki, BOSCH, US, C, Digitally signed by pki, BOSCH,  
US, C, H, Charles.Tuffile  
H, Charles.Tuffile Date: 2019.09.27 17:12:49 -04'00'

CHARLES TUFFILE