

## 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>
	PAUL SIERADZKI	11/22/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	R3 PRINTING, LLC	
<b>Street Address:</b>	274 WEST 119TH STREET	
<b>Internal Address:</b>	APARTMENT 1A	
<b>City:</b>	NEW YORK	
<b>State/Country:</b>	NEW YORK	
<b>Postal Code:</b>	10026	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15694772
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(844)568-2881	
<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>Address Line 4:</b>	NEW YORK, NEW YORK 10004	
<b>ATTORNEY DOCKET NUMBER:</b>	00669-UTL	
<b>NAME OF SUBMITTER:</b>	MATTHEW G. MILLER	
<b>SIGNATURE:</b>	/Matthew G. Miller/	
<b>DATE SIGNED:</b>	11/22/2017	
<b>Total Attachments: 2</b>		
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**ASSIGNMENT**

WHEREAS, I:

Paul Sieradzki, a citizen of the State of New York, having a residence at 274 West 119<sup>th</sup> Street, Apartment 1A, New York, New York, 10026, (hereinafter ASSIGNOR), am the owner of the invention described in Patent Application entitled:

**CARRIAGELESS PRINT HEAD ASSEMBLY FOR EXTRUSION-BASED ADDITIVE CONSTRUCTION**

having the application number 15/694,772 filed on September, 2, 2017.

WHEREAS, I covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I have the full right to convey the Application as herein expressed;

WHEREAS, R3 Printing, LLC, a New York limited liability company, having an office at 274 West 119<sup>th</sup> Street, Apartment 1A, New York, New York, 10026 (hereinafter ASSIGNEE) is desirous of obtaining all of the right, title and interest in, to and under the inventions disclosed in the Application;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I said ASSIGNOR, do hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE our right, title and interest in all countries of the world in and to our invention described in said Application, in and to the right to file patent application in the name of ASSIGNEE, their designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified Application under any international arrangement or conventions relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid Application, in and to any application claiming priority benefits to a provisional patent application or other application filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any said Letters Patent, the same to be held and enjoyed by said Assignee, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

AND I HEREBY covenant and agree that I will at any time, upon the request and at the expense of the Assignee, without further compensation or charge to said Assignee, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent application, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of the Assignee, including the procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein;

AND I HEREBY authorize and request from the Commissioner of Patents of the United States, and of any Official of any country or countries foreign to the United States, whose duty it is to issue patents on application as aforesaid, to issue all Letters Patent for said inventions or improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND I HEREBY further covenant and agree that I will communicate to Assignee, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue, continuation and continuation-in-part application, make all rightful oaths and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or improvements in all countries.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal

Executed this 22 day of November, 2017.

/Paul Sieradzki/

**Paul Sieradzki**

Co-Owner

R3 Printing, LLC