

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4735078

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	GUTHRIE COOPER	12/14/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	3D SYSTEMS, INC.	
<b>Street Address:</b>	333 THREE D SYSTEMS CIRCLE	
<b>City:</b>	ROCK HILL	
<b>State/Country:</b>	SOUTH CAROLINA	
<b>Postal Code:</b>	29730	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15842041	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(803)326-4796	
<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>	8033264796	
<b>Email:</b>	keith.roberson@3dsystems.com	
<b>Correspondent Name:</b>	KEITH ROBERSON	
<b>Address Line 1:</b>	333 THREE D SYSTEMS CIRCLE	
<b>Address Line 4:</b>	ROCK HILL, SOUTH CAROLINA 29730	
<b>ATTORNEY DOCKET NUMBER:</b>	USA.590	
<b>NAME OF SUBMITTER:</b>	KEITH ROBERSON	
<b>SIGNATURE:</b>	/Keith A. Roberson/	
<b>DATE SIGNED:</b>	12/14/2017	
<b>Total Attachments: 3</b>		
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**ASSIGNMENT**  
Of Patent Applications for:  
**SENSOR THAT SIMULATES RESIN OPTICAL PROPERTIES**

THIS ASSIGNMENT, made this 14 day of December, 2017, by:

Guthrie Cooper  
2249 Silver Creek Road  
Mill Spring, NC 28756

WHEREAS, the said assignors have invented certain new and useful improvements in: **SENSOR THAT SIMULATES RESIN OPTICAL PROPERTIES** (62/440,168 filed December 29, 2016 and any non-provisional application filed on or before December 29, 2017 claiming priority hereto) and set forth in an application for Letters Patent of the United States, executed on even date herewith; and,

WHEREAS, 3D Systems, Incorporated, organized under and pursuant to the laws of the State of California and having its principal place of business at 333 Three D Systems Circle, Rock Hill, SC 29730 USA, (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the said assignors have sold, assigned, transferred and set over and by these presents, do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above mentioned inventions, applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, or reissues or extensions of said Letters Patent or Patents, and in and to any and all patent applications claiming priority thereto, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and the applications for Letters Patent above mentioned, and that the same are unencumbered and that the said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that the said assignors will, whenever counsel of the said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said applications for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference or derivation proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any applications for Letters Patent, or any reissue or extension of any Letters Patents, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to the said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

AND the said assignors hereby request the Commissioner of Patents to issue said Letters Patents of the United States to the said assignee, as the assignee of said inventions and the Letters Patents to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

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CONTINUED ON PAGE 3

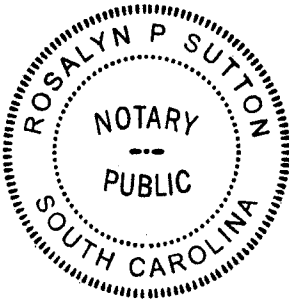
Page 3: Assignment: Guthrie Cooper  
For: Sensor That Simulates Resin Optical Properties

G. Cooper  
Guthrie Cooper

Date: Dec 14<sup>th</sup> 17

STATE OF SOUTH CAROLINA  
COUNTY OF YORK

On this 14<sup>th</sup> day of December, 2017, personally before me came Guthrie Cooper, known to me, and known to me to be the person described in and who signed the foregoing Assignment and being duly sworn, acknowledged that they executed the same.



(Notary Seal)

Rosalyn P. Sutton  
Notary Public

Name: Rosalyn P. Sutton

My commission expires: January 19, 2026