

## 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>
WENPING ZHAO	08/05/2019
NATHANIEL M GRAY	08/05/2019
DANIEL O URSENBACH	08/06/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GOODRICH CORPORATION
<b>Street Address:</b>	FOUR COLISEUM CENTRE
<b>Internal Address:</b>	2730 WEST TYVOLA ROAD
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28217-4578
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16533670
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	6023826000
<b>Email:</b>	ipdocket@swlaw.com, amckay@swlaw.com
<b>Correspondent Name:</b>	SNELL & WILMER L.L.P. (UTC)
<b>Address Line 1:</b>	ONE ARIZONA CENTER
<b>Address Line 2:</b>	400 E. VAN BUREN STREET
<b>Address Line 4:</b>	PHOENIX, ARIZONA 85004-2202
<b>ATTORNEY DOCKET NUMBER:</b>	63973.15900 / 108460US01
<b>NAME OF SUBMITTER:</b>	REBECCA GOODRICH
<b>SIGNATURE:</b>	/Rebecca Goodrich/
<b>DATE SIGNED:</b>	08/06/2019
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

## UTILITY PATENT

**WHEREAS**, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the addresses indicated below, have invented subject matter disclosed and/or claimed in the patent application entitled APPARATUS AND METHOD FOR MAKING COMPOSITE SHAFTS filed herewith;

**AND WHEREAS**, GOODRICH CORPORATION (hereinafter "ASSIGNEE"), a corporation organized and existing under and by virtue of the laws of the State of New York having its principal place of business and mailing address at Four Coliseum Centre, 2730 West Tyvola Road, Charlotte, NC 28217-4578 is desirous of memorializing its interest therein;

**NOW, THEREFORE**, the undersigned ASSIGNOR hereby confirms that ASSIGNOR is an employee, salaried employee, past employee or a contractor of ASSIGNEE and that ASSIGNOR developed the subject matter of the inventions on ASSIGNEE's time and at the expense of ASSIGNEE and within the scope of ASSIGNOR's duties to ASSIGNEE and thereby ASSIGNOR recognizes that the ASSIGNEE owns the inventions as described in the aforesaid application. Nonetheless to comport with Patent Office procedures, ASSIGNOR memorializes that relationship in the form of this assignment and;

**THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the inventions, as described in the aforesaid application, including patent, copyright and any other intellectual property rights, any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document, or any other application which claims priority to said application, including the rights to sue for all past and future causes of action related to said inventions, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

**AND HEREBY AGREES** to transfer to ASSIGNEE, its successors, assigns and legal representatives, without further remuneration, a like interest in and to any improvements, related new matter, and derivative works, and applications based thereon, growing out of or relating to the inventions; and to provide all reasonable assistance and execute any papers, if accurate, desired by ASSIGNEE, its successors, assigns and legal representatives, to preserve, acquire and/or perfect ASSIGNEE's full protection and title in and to the inventions and any improvements and to file any of the aforementioned applications.

In the event that the Application Number and/or filing date is not available when this Assignment is executed, I hereby authorize and request any attorney associated with Snell &

Wilmer L.L.P., Customer No. 85628, to insert in this assignment the filing date and/or the application number of said application and/or any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.


EXECUTED as of the date(s) written below by ASSIGNOR:

INVENTOR'S NAME/ADDRESS

SIGNATURE

DATE

Wenping Zhao  
102 Gates Farm Rd  
Glastonbury, CT 06033



8/5/2019

INVENTOR'S NAME/ADDRESS

SIGNATURE

DATE

Nathaniel M. Gray  
2 Point of Rocks Terrace  
Stratham, NH 03885

\_\_\_\_\_

\_\_\_\_\_

INVENTOR'S NAME/ADDRESS

SIGNATURE

DATE

Daniel O Ursenbach  
728 Wood Ridge Lane  
Caledonia, IL 61011



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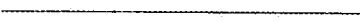
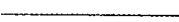
**SNELL & WILMER L.L.P.**  
One Arizona Center  
400 East Van Buren  
Phoenix, Arizona 85004-2202  
Phone: (602) 382-6657  
Fax: (602) 382-6070  
email: [rgoodrich@swlaw.com](mailto:rgoodrich@swlaw.com)

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<u>Wenping Zhao</u> <u>102 Gates Farm Rd</u> <u>Glastonbury, CT 06033</u>		

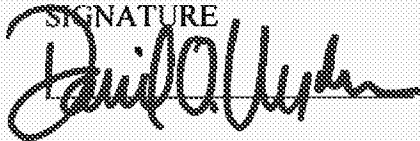
INVENTOR'S NAME/ADDRESS	SIGNATURE	DATE
<u>Nathaniel M. Gray</u> <u>2 Point of Rocks Terrace</u> <u>Stratham, NH 03885</u>		<u>8/5/2019</u>

INVENTOR'S NAME/ADDRESS	SIGNATURE	DATE
<u>Daniel O Ursenbach</u> <u>728 Wood Ridge Lane</u> <u>Caledonia, IL 61011</u>		

**SNELL & WILMER L.L.P.**  
One Arizona Center  
400 East Van Buren  
Phoenix, Arizona 85004-2202  
Phone: (602) 382-6657  
Fax: (602) 382-6070  
email: rgoodrich@swlaw.com

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<u>Nathaniel M. Gray</u> <u>2 Point of Rocks Terrace</u> <u>Stratham, NH 03885</u>	_____	_____
<u>Daniel O Ursenbach</u> <u>728 Wood Ridge Lane</u> <u>Caledonia, IL 61011</u>		<u>8/6/2019</u>

**SNELL & WILMER L.L.P.**  
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400 East Van Buren  
Phoenix, Arizona 85004-2202  
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Fax: (602) 382-6070  
email: rgoodrich@swlaw.com