

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRANDON W SPANGLER	02/20/2019
DAVID R PACK	02/20/2019
RECEIVING PARTY DATA	
Name:	UNITED TECHNOLOGIES CORPORATION
Street Address:	10 FARM SPRINGS ROAD
City:	FARMINGTON
State/Country:	CONNECTICUT
Postal Code:	06032
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16289341
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	6023826000
Email:	ipdocket@swlaw.com, kfowler@swlaw.com
Correspondent Name:	SNELL & WILMER L.L.P. (UTC)
Address Line 1:	ONE ARIZONA CENTER
Address Line 2:	400 E. VAN BUREN STREET
Address Line 4:	PHOENIX, ARIZONA 85004-2202
ATTORNEY DOCKET NUMBER:	64365.65000 / 106591US01
NAME OF SUBMITTER:	KIERSTIN FOWLER
SIGNATURE:	/Kierstin Fowler/
DATE SIGNED:	02/28/2019
Total Attachments: 2	
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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 BLADE/VANE COOLING PASSAGES filed herewith;

AND WHEREAS, UNITED TECHNOLOGIES CORPORATION (hereinafter "ASSIGNEE"), a corporation organized and existing under and by virtue of the laws of the State of Delaware having its principal place of business and mailing address at 10 Farm Springs Road, Farmington, CT 06032 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.

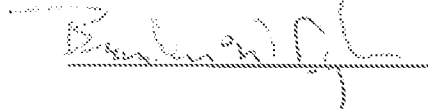
EXECUTED as of the date(s) written below by ASSIGNOR:

INVENTOR'S NAME/ADDRESS

SIGNATURE

DATE

Brandon W Spangler
25 Valerie Dr
Vernon, CT 06066



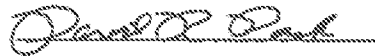
2/25/19

INVENTOR'S NAME/ADDRESS

SIGNATURE

DATE

David R Pack
155 Windermere Ave Unit 406
Ellington, CT 06029



2-20-2019

SNELL & WILMER L.L.P.

One Arizona Center
400 East Van Buren
Phoenix, Arizona 85004-2202
Phone: (602) 382-6488
Fax: (602) 382-6070
email: gscheiferstein@swlaw.com