504606245 10/23/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHAWN M. MCMAHON	10/23/2017
CHRISTOPHER WHITFIELD	10/23/2017
KRISTOPHER K. ANDERSON	10/23/2017
JAMES B. MORAN	10/23/2017
BRETT ALAN BARTLING	10/23/2017
CHRISTOPHER PERRON	10/23/2017
STEPHANIE TANNER	10/23/2017
JUSTIN M. ANIELLO	10/20/2017
DOMINIC J. MONGILLO JR.	10/20/2017

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:	15790505

CORRESPONDENCE DATA

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CARLSON, GASKEY & OLDS/PRATT & WHITNEY **Correspondent Name:**

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ATTORNEY DOCKET NUMBER: 99218US01; 67097-3691PUS1 NAME OF SUBMITTER: STEPHEN A. BURCH

PAIENI

REEL: 043923 FRAME: 0983 504606245

SIGNATURE:	/Stephen A. Burch/	
DATE SIGNED:	10/23/2017	
Total Attachments: 2		
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PATENT REEL: 043923 FRAME: 0984

ASSIGNMENT (Joint Inventors)

WHEREAS, we, **Shawn M. McMahon** of 122 Elmhurst St, West Hartford, CT 06110; **Christopher Whitfield** of 91 Elm Street, Apt 221C, Manchester, CT 06040; **Kristopher K. Anderson** of 229 Summit Street, Manchester, CT 06042; **Jason B. Moran** of 5 Pomeroy Street, Wilbraham, MA 01095; **Brett Alan Bartling** of 16 Sheep Meadow Drive, Monroe, CT 06468; **Christopher Perron** of 11 Ellen Drive, Tolland, CT 06084; **Justin M. Aniello** of 82 Hopkins Rd, Ellington, CT 06029, **Dominic J. Mongillo, Jr.** of 167 Four Mile Road, West Hartford, CT 06107 and **Stephanie Tanner** of 309 Chestnut Hill Road, Colchester, CT 06415, (hereinafter referred to as Assignors), have invented new and useful improvements in:

TURBINE VANE CLUSTER INCLUDING ENHANCED VANE COOLING

which claims priority to U.S. Provisional Application No. 62/553666 filed September 1, 2017 and which is forth in an application in the United States executed on even date herewith:

AND WHEREAS, UNITED TECHNOLOGIES CORPORATION, (hereinafter referred to as Assignee), of 10 Farm Springs Road, Farmington, Connecticut 06032, a corporation of the State of Delaware is desirous of acquiring the entire right, title and interest in and to said invention and said 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, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, 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 to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by the Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

AND the Assignor hereby covenants and agrees that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

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Dated:	10/23/17	- 3 - 2 - 12 - 12 - 12 - 12 - 12 - 12 -
		Shawn M. McMahon
Dated:	10/23/2017	Christopher Whitfield
Dated:	10/23/2017	Kristopher K. Anderson
Dated:	10/23/17	Jason B. Moran
Dated:	10/23/17	Brett Alan Bartling
Dated:	10/23/17	Christopher Perron
Dated:	10/20/17	Dominic J. Mongillo, Jr.
Dated:	10/23/17	Stephanie Tanner
Dated: _	10/20/17	Justin Aniello

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

> Stephen A. Burch CARLSON, GASKEY & OLDS, P.C. 400 W. Maple, Suite 350 Birmingham, MI 48009 (248) 988-8360

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PATENT REEL: 043923 FRAME: 0986

RECORDED: 10/23/2017