07/11/2018 504999234

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES W. NEAL	01/22/2016
KEVIN W. SCHLICHTING	01/22/2016
BRIAN T. HAZEL	01/22/2016
DAVID A. LITTON	01/22/2016
ERIC JORZIK	01/22/2016
MICHAEL J. MALONEY	01/22/2016

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:	16032803

CORRESPONDENCE DATA

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Address Line 4: MINNEAPOLIS, MINNESOTA 55415

ATTORNEY DOCKET NUMBER:	91325US03_U173-012896
NAME OF SUBMITTER:	BRIAN T. CRAGGS
SIGNATURE:	/BRIAN T. CRAGGS/
DATE SIGNED:	07/11/2018

PATENT REEL: 046323 FRAME: 0020 504999234

Total Attachments: 6

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PATENT REEL: 046323 FRAME: 0021

ASSIGNMENT

Attorney Docket No.

91326US01-U173-112696

First Named Inventor

James W. Neal

Title

TOOLING, CRUCIBLE, AND FEEDSTOCK FOR VAPOR DEPOSITION

WHEREAS, we, James W. Neal, of Ellington, CT, U.S.A.; Kevin W. Schlichting, of South Glastonbury, CT, U.S.A.; Brian T. Hazel, of Avon, CT, U.S.A.; David A. Litton, of West Hartford, CT, U.S.A.; Eric Jorzik, of Montgomery, NY, U.S.A.; and Michael J. Maloney, of Marlborough, CT, U.S.A., have invented certain new and useful improvements as described in an application entitled TOOLING, CRUCIBLE, AND FEEDSTOCK FOR VAPOR DEPOSITION for Letters Patent of the United States, the application being identifiable by its title and named inventors above, and/or being identifiable in the United States Patent and Trademark Office by Application No. 62/258.892, filed November 23, 2015; and

WHEREAS, United Technologies Corporation, a corporation organized and existing under the laws of the State of Delaware, and having offices at One Financial Plaza, Hartford, CT 06101, U.S.A., ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained.

I authorize the Assignce, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

James W. No

Witness Signature

Witness Printed Name

<u>1/22/16</u> Russell A. Beers

Mladen Trubelja

Kevin W. Schlicheng Rund B. Witness Signature Muscles Trubels Witness Printed Name	1/22/16 Date Russell A. Beers Mladen Trubelja
Brian T. Hazel Brian T. Hazel Witness Signature Made Turled Witness Printed Name	Pussell A. Beas Maden Trubelja
David A. Litton Rundl & Witness Signature Witness Printed Name	1/22/16 Date Russell A. Beers Malen Trubelj 9
Eric Jorzik Witness Signature Witness Printed Name	Date

<u> </u>	1/22/16 Date
Michael I. Martoney Carll A. Br.	Purel A. Borr
Witness Signature Witness Printed Name	Mislen Trubello

ASSIGNMENT

Attorney Docket No.

91326US01-U173-112696

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Title

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NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

James W. Neal	Date
Witness Signature	
Witness Printed Name	

Kevin W. Schlichting	Date
Witness Signature	
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Witness Printed Name	
Brian T. Hazel	Date
Witness Signature	
Witness Printed Name	
David A. Litton	Date
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Witness Signature	
Witness Printed Name	
William Filliam	
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Ever han !	$\frac{1/22/16}{\text{Date}}$
Eric Jorzik	
Witness Signature	
ANDREY) CERVOUL	
Witness Printed Name	

	Date
Michael J. Maloney	
Witness Signature	
Witness Printed Name	-

Page 3 of 3 Pages