504727711 01/12/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL A. BALES	01/11/2018
RUSSELL A. BEERS	01/12/2018
THOMAS DEMICHAEL	01/11/2018
ERIC W. MALMBORG	01/12/2018
FRANCIS B. PARISI	01/11/2018

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:	15869836

CORRESPONDENCE DATA

Fax Number: (612)339-6580

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.

Phone: 6123391863

Email: kmmiller@kinney.com
Correspondent Name: BRIAN T. CRAGGS

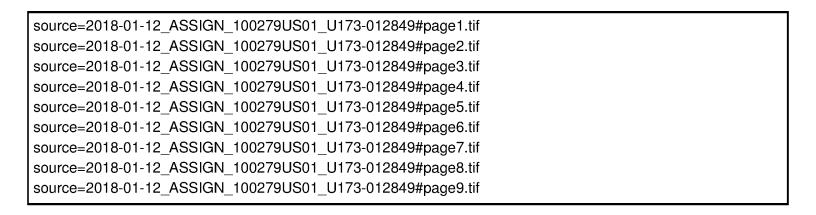
Address Line 1: 312 SOUTH THIRD STREET KINNEY & LANGE, P.A.

Address Line 4: MINNEAPOLIS, MINNESOTA 55415

ATTORNEY DOCKET NUMBER:	100279US01_U173-012849	
NAME OF SUBMITTER:	BRIAN T. CRAGGS	
SIGNATURE:	/BRIAN T. CRAGGS/	
DATE SIGNED:	01/12/2018	

Total Attachments: 9

PATENT REEL: 044609 FRAME: 0988



PATENT REEL: 044609 FRAME: 0989

Attorney Docket No.

100279US01-U173-012849

First	Named	Inventor

Daniel A. Bales

Title

APPARATUS AND METHOD FOR SELECTIVE BONDING TO FORM

HOLLOW COMPONENTS

WHEREAS, United Technologies Corporation, a corporation organized and existing under the laws of the State of Delaware, and having offices at 10 Farm Springs Road, Farmington, CT 06032, 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 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.

Daniel A. Bales

Date

Witness Signarure

THOUS DEMICHABL

Attorney Docket No.

100279US01-U173-012849

within and fine and a second s	
Russell A. Beers Date	
Miness Signature	
Witness Printed Name	
Thomas DeMichael Date	
Witness Signature	
Witness Printed Name	
Eric W. Malmborg Date	
Witness Signature	

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Attorney Docket No.

100279US01-U173-012849

Francis B. Pays

Witness Printed Name

Page 3 of 3 Pages

Attorney Docket No.

100279US01-U173-012849

First Named Inventor	<u> </u>	Daniel A. Bales	
Title	:	APPARATUS AND METHOD FOR SELECTIVE BONDING TO FORM HOLLOW COMPONENTS	
U.S.A.; Thomas DeMicha Francis B. Parisi, of West an application entitled Al COMPONENTS for Lette inventors above, and/or be	el, of Suffiel PARA SPARA	Daniel A. Bales, of Avon, CT, U.S.A.; Russell A. Beers, of Manchester, CT, Stafford Springs, CT, U.S.A.; Eric W. Malmborg, of Amston, CT, U.S.A.; and d, CT, U.S.A., have invented certain new and useful improvements as described in TUS AND METHOD FOR SELECTIVE BONDING TO FORM HOLLOW at of the United States, the application being identifiable by its title and named ntifiable in the United States Patent and Trademark Office by Application No.	
laws of the State of Dela ("Assignee") is desirous of	ware, a	ited Technologies Corporation, a corporation organized and existing under the and having offices at 10 Farm Springs Road, Farmington, CT 06032, U.S.A., ing the entire right, title and interest in and to the invention, the application, and r 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.			
		assignee, its successors and assigns, or anyone it may properly designate, to apply 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.			
Daniel A. Bales	***********	Date	
Witness Signature			

Page 1 of 3 Pages

Attorney Docket No.

100279US01-U173-012849

Russell A. Beers	Date
Witness Signature	
Witness Printed Name	
Thomas DeMichael Witness Signature DANIEL A. BALES Witness Printed Name	VIVE Date
Eric W. Malmborg	Date
Witness Signature	
Witness Printed Name	

ASSIGNMENT Attorney Docket No. 100279US01-U173-012849 Francis B. Parisi Date Witness Signature Witness Printed Name

Attorney Docket No.

			1002/90301-01/3-012849
First Named Inventor	: Daniel A. Bales		
Title	: APPARATUS A		CTIVE BONDING TO FORM
U.S.A.; Thomas DeMichae Francis B. Parisi, of West S an application entitled <u>API</u> <u>COMPONENTS</u> for Letters	l, of Stafford Springs, uffield, CT, U.S.A., have ARATUS AND ME? Patent of the United	CT, U.S.A.; Eric W. Main ve invented certain new and CHOD FOR SELECTIVE States, the application being United States Patent and Tra	issell A. Beers, of Manchester, CT, aborg, of Amston, CT, U.S.A.; and useful improvements as described in BONDING TO FORM HOLLOW identifiable by its title and named ademark Office by Application No.
laws of the State of Delaw	are, and having office equiring the entire righ	es at 10 Farm Springs Roa ht, title and interest in and to	on organized and existing under the d, Farmington, CT 06032, U.S.A., o the invention, the application, and obtained therefor;
hereby acknowledged, I tran the invention, the above-idea or similar legal protection iss	sfer to Assignee, its su ntified application, con ruing thereon, and all ri of Patents and Trade	ccessors and assigns, my en responding domestic and for ights and benefits under any marks of the United States of	ne receipt and adequacy of which is tire right, title and interest in and to reign applications, all Letters Patent applicable treaty or convention; and or foreign equivalent thereof to issue
I authorize application number of the ap			in this instrument the filing date and
I authorize for Letters Patent or similar l	the Assignee, its succeegal protection, in its o	essors and assigns, or anyone wn name if desired, in any ar	e it may properly designate, to apply and all foreign countries.
writing or do any act whatso time upon request, without a execute such additional writi desirable to perfect its enjoy	never conflicting with dditional consideration age and do such addition to this grant, and	this Assignment. I, my exemple, but at the expense of the A onal acts as the Assignee, it dirender all assistance in ma	have not and shall not execute any cutors or administrators, will at any Assignee, its successors and assigns, a successors and assigns, may deem aking application for and obtaining, evention in any and all countries.
Daniel A. Bales		Date	
Witness Signature			

Page 1 of 3 Pages

Attorney Docket No.

100279US01-U173-012849

Russell A. Beers	Date
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Witness Printed Name	
Thomas DeMichael	Date
Witness Signature	
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Eric W. Malmborg	Date
	
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Witness Printed Name	

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100279US01-U173-012849

Russell A. Beers	Date
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Witness Printed Name	
Thomas DeMichael	Date
Witness Signature	
Witness Printed Name	
FWM. Lul	1/12/18 Date
Eric W. Malmborg	Date
Witness Signature	
David Honston	
Witness Printed Name	

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