

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5328321

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	UNITED TECHNOLOGIES RESEARCH CENTRE IRELAND, LIMITED	02/28/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	UNITED TECHNOLOGIES CORPORATION	
<b>Street Address:</b>	10 FARM SPRINGS RD.	
<b>City:</b>	FARMINGTON	
<b>State/Country:</b>	CONNECTICUT	
<b>Postal Code:</b>	06032	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16248121
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(860)286-0115	
<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>	860-286-2929	
<b>Email:</b>	usptopatentmail@cantorcolburn.com	
<b>Correspondent Name:</b>	CANTOR COLBURN LLP	
<b>Address Line 1:</b>	20 CHURCH STREET	
<b>Address Line 2:</b>	22ND FLOOR	
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103	
<b>ATTORNEY DOCKET NUMBER:</b>	96149US02 (U301473US2)	
<b>NAME OF SUBMITTER:</b>	MICHAEL POWELL	
<b>SIGNATURE:</b>	/Michael Powell/	
<b>DATE SIGNED:</b>	01/16/2019	
<b>Total Attachments: 2</b>		
source=87Z4145#page1.tif		
source=87Z4145#page2.tif		

## ASSIGNMENT

WHEREAS, **United Technologies Research Centre Ireland, Limited**, an Irish corporation, having an office at 4th Floor, Penrose Business Center, Penrose Wharf, Cork City, Co. Cork, Republic of Ireland (hereinafter Assignor), is desirous of assigning the entire worldwide right, title and interest in and to all invention or inventions and any and all patents, utility models, design patents or other industrial property rights to be obtained therefore; identified as Attorney Docket No. **96149** and described in a patent application as further identified herein below, and

WHEREAS, **United Technologies Corporation**, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 10 Farm Springs Rd. Farmington, CT 06032 (hereinafter Assignee), is desirous of acquiring the entire worldwide right, title and interest in and to said invention or inventions and any and all patents, utility models, design patents or other industrial property rights to be obtained therefore;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged by Assignor, Assignor does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the Assignor, all right, title and interest in and to:

- said invention or inventions, as described in the aforesaid patent application, in any form or embodiment thereof, and in and to the aforesaid application;
- any application filed in any country, jurisdiction or other authority based thereon, including direct or indirect nonprovisional, divisional, continuation-in-part or substitute applications, and including the right to file said applications under the provisions of the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty or other international convention or agreement;
- any and all patents or reissues or extensions thereof to be obtained in any country, jurisdiction or other authority which may be filed upon said invention or inventions in any country or other authority;
- all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The Assignor hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to Assignee or its successors and assigns.

The Assignor further agrees, to communicate to Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in any country.

The Assignor hereby authorizes the Assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Application No. 62/617,371  
Country or Receiving Office: US  
Filing Date: January 15, 2018  
Inventors: Alie El-Din Mady; Deepak Mehta;  
Younes Hamdaoui; Devu Manikantan Shila;  
Menouer Boubekour

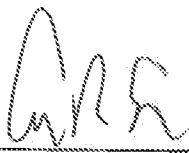
IN TESTIMONY WHEREOF, the undersigned have hereunto set their hand and seal on the date after their signature.

For Assignor

(L.S.)   
**Isaac Cohen**  
**Director – UTRC Ireland**

Date: 02/28/18

For Assignee

(L.S.)   
**Gregory R. Stephenson**  
**Assistant Secretary**

Date: Nov 2, 2018