

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6434351

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KUSHAL MUKHERJEE	10/08/2018
MICHELE GARRAFFA	10/09/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNITED TECHNOLOGIES RESEARCH CENTRE IRELAND, LIMITED
<b>Street Address:</b>	4TH FLOOR, PENROSE BUSINESS CENTER, PENROSE WHARF
<b>City:</b>	CORK
<b>State/Country:</b>	IRELAND
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15734757
<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>	8602862929
<b>Email:</b>	USPTOPATENTMAIL@CANTORCOLBURN.COM
<b>Correspondent Name:</b>	CANTOR COLBURN LLP
<b>Address Line 1:</b>	20 CHURCH ST
<b>Address Line 2:</b>	22ND FLOOR
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103
<b>ATTORNEY DOCKET NUMBER:</b>	103128US01 (U301831US)
<b>NAME OF SUBMITTER:</b>	NICHOLAS R. STANGO
<b>SIGNATURE:</b>	/Nicholas R. Stango/
<b>DATE SIGNED:</b>	12/07/2020
<b>Total Attachments: 4</b>	
source=8NT9669#page1.tif	
source=8NT9669#page2.tif	
source=8NT9669#page3.tif	
source=8NT9669#page4.tif	

## ASSIGNMENT

WHEREAS, We, **Kushal Mukherjee** of J-254, Second Floor, Saket, New Delhi 110017 India and **Michele Garraffa** 4th Floor, Penrose Business Centre, Penrose Wharf, Cork, Ireland, have invented certain improvements in

### **FIRE SUPPRESSION SYSTEM - SYSTEM AND METHOD FOR OPTIMAL NOZZLE PLACEMENT**

identified as Attorney Docket No. **103128** and described in a patent application as further identified herein below, and

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 "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 inventor compensation determined and paid in accordance with the UTRC Employee Inventor Compensation Award Policy, the undersigned does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the undersigned, 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 Corporation 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 undersigned 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 undersigned 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.

103128CN01 (U301831CN)

The undersigned 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. 201811071034.4  
Country or Receiving Office: CN  
Filing Date: September 13, 2018  
Inventors: Pedro Fernandez-Orellana, Ankit Tiwari, Kushal Mukherjee,  
Michele Garraffa

IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.

Kushal  
Kushal Mukherjee

Date: 08-OCT-2018

\_\_\_\_\_  
Michele Garraffa

Date: \_\_\_\_\_

103128CN01 (U301831CN)

## ASSIGNMENT

WHEREAS, We, Kushal Mukherjee of J-254, Second Floor, Saket, New Delhi 110017 India and Michele Garraffa 4th Floor, Penrose Business Centre, Penrose Wharf, Cork, Ireland, have invented certain improvements in

### **FIRE SUPPRESSION SYSTEM - SYSTEM AND METHOD FOR OPTIMAL NOZZLE PLACEMENT**

identified as Attorney Docket No. 103128 and described in a patent application as further identified herein below, and

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 "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 inventor compensation determined and paid in accordance with the UTRC Employee Inventor Compensation Award Policy, the undersigned does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, to the extent owned or assignable by the undersigned, 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 Corporation 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 undersigned 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 undersigned 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.

103128CN01 (U301831CN)

The undersigned 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. 201811071034.4  
Country or Receiving Office: CN  
Filing Date: September 13, 2018  
Inventors: Pedro Fernandez-Orellana, Ankit Tiwari, Kushal Mukherjee,  
Michele Garraffa

IN TESTIMONY WHEREOF, the undersigned has hereunto set her/his hand and seal on the date after her/his signature.

\_\_\_\_\_  
Kushal Mukherjee

Date: \_\_\_\_\_

Michele Garraffa  
Michele Garraffa

Date: 09/10/2018

103128CN01 (U301831CN)