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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
BAOLUTE REN	02/21/2018
MICHAEL P. DANZ	02/21/2018
MARVIN GOINS JR.	02/21/2018

RECEIVING PARTY DATA

Name:	ARCONIC INC.	
Street Address:	201 ISABELLA STREET	
City:	PITTSBURGH	
State/Country:	y: PENNSYLVANIA	
Postal Code: 15212-5858		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16992553

CORRESPONDENCE DATA

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HEATH J. BRIGGS, GREENBERG TRAURIG, LLP Correspondent Name:

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ATTORNEY DOCKET NUMBER:	176971-117623	
NAME OF SUBMITTER: MARILYN MORRIS		
SIGNATURE:	/MARILYN MORRIS/	
DATE SIGNED:	08/13/2020	

Total Attachments: 2

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> **PATENT REEL: 053488 FRAME: 0409** 506202511

ASSIGNMENT & APPOINTMENT OF COMMON REPRESENTATIVE

WHEREAS, I/(we), BAOLUTE REN of 316 Squire Lane, Lititz, Pennsylvania 17543; MICHAEL P. DANZ of 1447-C Manor House Lane, Lancaster, Pennsylvania 17603; and MARVIN GOINS, JR. of 4089 Willow Lane, Columbia, Pennsylvania 17512 enter this Assignment & Appointment of Common Representative ("Assignment") effective as of the 20th day of February, 2018; and

WHEREAS, I/(we) have invented a certain new and useful invention entitled "Composite Braze
Liner for Low Temperature Brazing and High Strength Materials" (the "Invention") for which a patent
application (the "Application") has been prepared: (a) concurrently herewith; or (b) filed on
receiving Serial No; this Application is further identified as Attorney File No.
176971.117623/PCT/Arconic Reference No. 17.117623/PCT.

NOW THEREFORE, be it known that, pursuant to the terms of my/(our) employment agreement and/or consulting agreement with the Assignee and/or for other certain, good, and valuable consideration received from the Assignee, the sufficiency and receipt of which are hereby acknowledged, I/(we):

do hereby sell, assign, convey, and transfer unto **Arconic Inc.**, a **Delaware** corporation having a place of business at **201 Isabella Street**, **Pittsburgh**, **PA 15212-5858** ("Assignee"), its successors, legal representatives and assigns, the aforesaid Invention and Application and all rights to claim priority directly or indirectly to: (i) the Application; (ii) all provisional, continuation, divisional, continuation-in-part and reissue applications of the Application; (iii) all patent applications that claim priority directly or indirectly to any one or more of the foregoing applications; (iv) all patent applications in foreign countries that claim priority directly or indirectly to any one or more of the foregoing applications; (v) all applications pursuant to the Patent Cooperation Treaty that claim priority directly or indirectly to any one or more of the foregoing applications; (vi) all applications for extension, reexamination, or reissue filed, or to be filed, for the invention(s), including the Invention, described in, and/or related, to any of the aforesaid applications; and (vii) all Letters Patent, Invention Registrations, Utility Models, Extensions, Reexaminations, or Reissues and other patent rights, obtained in the United States or any other country for the invention(s), including the Invention, described in, and/or related to, any of the aforesaid applications;

assign any right, title or interest in, and to, the invention(s) described in, and/or related, to the aforesaid applications that has not already been transferred to the Assignee;

warrant that I have not made an assignment of the invention(s), including the Invention, described in, and/or related to, the aforesaid applications to a party other than **Arconic Inc.**;

warrant that there is no obligation to make any assignment of the invention(s), including the Invention, described in, and/or related to, the aforesaid applications to any party other than **Arconic Inc.**;

further agree to cooperate with the Assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming the Assignee's exclusive ownership of the invention(s), including the Invention, described in, and/or related, to the aforesaid applications, but at the expense of said Assignee;

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covenant not to challenge the validity or enforceability of any patent applications or patents assigned hereunder; and

agree that the terms of this Assignment shall be binding upon me/(us) as well as my/(our) heirs, legal representatives and assigns.

The Commissioner for Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment to **Arconic Inc.**, its successors, legal representatives and assigns, as the Assignee of the entire right, title and interest therein.

Furthermore, we hereby irrevocably appoint **Arconic Inc.**, its successors, legal representatives and assigns, as common representative for any and all international patent applications including those filed under the Paris Convention and/or those filed pursuant to the Patent Cooperation Treaty, and all national phase applications derived therefrom, concerning the invention(s), including the Invention, described in, and/or related to, the aforesaid applications or claiming priority from the aforesaid applications.

IN WITNESS WHEREOF, I/(we) has executed this Assignment & Appointment of Common Representative as of the date indicated hereunder in one or more counterparts, each of which when so executed and delivered shall be deemed to be an original, but all of which taken together form but one and the same instrument.

Date:	2/21/2018	By: Pasade Re BAOLUTE REN
Date: σ	2/21/2018	By: MICHAEL P. DANZ
Date:	2/21/2018	By: MARVIN GOINS, JR.