504284671 03/22/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARCONIC INC.	12/06/2016

RECEIVING PARTY DATA

Name:	THE PENN STATE RESEARCH FOUNDATION
Street Address:	304 OLD MAIN
City:	UNIVERSITY PARK
State/Country:	PENNSYLVANIA
Postal Code:	16802

PROPERTY NUMBERS Total: 3

Property Type	Number
Patent Number:	7154065
Patent Number:	6740845
PCT Number:	US0316109

CORRESPONDENCE DATA

Fax Number: (248)647-5210

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: 248-647-6000

Email: Tara.Mckeon@Dinsmore.com
Correspondent Name: DINSMORE & SHOHL, LLP

Address Line 1: 900 WILSHIRE DRIVE, SUITE 300

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ATTORNEY DOCKET NUMBER:	PSU 2001-0724	
NAME OF SUBMITTER:	DOUGLAS L. WATHEN	
SIGNATURE:	/Douglas L. Wathen/	
DATE SIGNED:	03/22/2017	

Total Attachments: 4

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> PATENT REEL: 041685 FRAME: 0158

504284671

PATENT ASSIGNMENT

This Patent Assignment (this "Assignment") is made and entered into effective as of the Effective Date, as defined in the Technology Transfer Agreement ("Transfer Agreement"), by and between Arconic Inc., having a mailing address of 201 Isabella Street, Pittsburgh, PA 15212-5858, a company organized and existing under the laws of Pennsylvania ("Assignor") and The Penn State Research Foundation, having a mailing address at 304 Old Main, University Park, Pennsylvania 16802, a non-profit corporation organized and existing under the laws of Pennsylvania ("Assignee"). Assignor and Assignee are individually or collectively hereinafter referred to as "Party" or "Parties."

WHEREAS, Assignor and Assignee jointly own the patents set forth in Schedule 1 (the "Patents");

WHEREAS, Assignee is desirous of acquiring Assignor's entire interest in the Patents;

WHEREAS, Assignor is willing to assign its interest in the Patents to Assignee;

NOW, THEREFORE, for good and valuable consideration, including as set forth in the Transfer Agreement, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

- 1. Assignment and Transfer. Assignor hereby sells, assigns and transfers to Assignee its full right, including any future right, title and interest in and to the Patents, including all convention, statutory, administrative, regulatory, and treaty rights of any kind, in all countries throughout the world; the right to claim any applicable priority rights to the Patents; the right to have Patents to be filed and issued in the name of Assignee, insofar as permitted by applicable law; and all of the assets, properties, contracts, rights, and obligations relating to the Patents, including the right to recover for damages and profits and any and all other remedies for past infringement, which may have occurred before the date of this Assignment, the same to be held and enjoyed by Assignee, for its own use and benefit, and for its legal representatives and assigns, to the full end of the term for which said Patents are granted, as fully and entirely as the same would have been held by Assignor had this Assignment not been made.
- 2. <u>Further Documentation and Actions</u>. Assignor covenants that Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to Patents and will testify as to the same in any administrative proceeding or litigation related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce, Patents which may be necessary or desirable to carry out the purposes thereof.
- 3. <u>Construction</u>. This Assignment is governed by the laws of the Commonwealth of Pennsylvania and may be executed in any number of counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

[Signature Page Follows]

IN WITNESS WHEREOF, the Parties hereto, intending to be legally bound hereby, have duly executed, sealed, and delivered this Assignment as of the Effective Date.

Arconic Inc.

By: State St

Title: Executive Vice President & Chief Technology Officer

Date: OGDEC 16

Notarization

On this La day of Talk when, 2014 before me, the undersigned Notary Public, personally appeared proved to me through satisfactory evidence of identification to be the person whose name is signed on the foregoing assignment, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief. The above-indicated individual executed this document of his/her own free will.

Notary Public

(Seal)

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Mary E. Feher, Notary Public Monroeville Boro, Allegheny County My Commission Expires May 15, 2017

MERSIER, PENNSYLVANIA ASSOCIATION OF NOTABLES

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Penn State Research Foundation				
By: Vallania				
Name: David Branigan				
Title: Treasurer				
Date: 18-16/16				
Notarization				
On this day of				
Havelle 1 House	(Seal)			
Notary Public	A 11d A 11 set described to the a to the control of the A 11 A			
My Commission Expires: <u>fea. 10, 251</u>	COMMONWEAL TH OF PENNSYLVANIA NOTARIAL SEAL Pamela Jo Nisewonger, Notary Public State College Boro, Centre County My Commission Expires Feb. 10, 2018 RENSER, PENNSYLVANIA ASSECTATION OF NOTARIES			
Commonwealth of Pennsylvania				
County of County				

EXHIBIT A

US Patent Nos. 6,740,845 and 7,154,065, PCT application No. PCT/US03/16109 and EU Patent No. 1 534 460 including the validated patent rights in Germany, Hungary, Italy and Spain.

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PATENT REEL: 041685 FRAME: 0162