# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
WILLIAM J. HOOPER	09/09/2016
JOSHUA TUMINELLA	09/08/2016
ION-HORATIU BARBULESCU	09/09/2016
MATTHEW M. MILLER	09/09/2016
KYLE A. MCDANIEL	09/09/2016

### RECEIVING PARTY DATA

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

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15229362

### **CORRESPONDENCE DATA**

Fax Number:

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.

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ATTORNEY DOCKET NUMBER: 15.106860

NAME OF SUBMITTER: PAUL F. SWIFT

SIGNATURE: /Paul F. Swift/

DATE SIGNED: 09/13/2016

**Total Attachments: 2** 

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### ASSIGNMENT

WHEREAS, We, William J. Hooper, a citizen of the United States of America, residing at 2210 Duck Hollow Trace, Lawrenceville, GA 30044, and Joshua Tuminella, a citizen of the United States of America, residing at 422 Langhorn Street, Unit 1, Atlanta, GA 30301, and Ion-Horatiu Barbulescu, a citizen of the United States of America, residing at 3503 Stonewall Place SE, Atlanta, GA 30311, and Matthew M. Miller, a citizen of the United States of America, residing at 1000 Ashwood Parkway #1329, Dunwoody, GA 30338, and Kyle A. McDaniel, a citizen of the United States of America, residing at 125 Windsor Creek Drive, Johns Creek, GA 30005 (hereinafter "Assignors") have invented a new and original ARCHITECTURAL MANUFACTURES, APPARATUS AND METHODS USING ADDITIVE MANUFACTURING TECHNIQUES for which U.S. provisional patent application 62/202,605 was filed in the United States Patent and Trademark Office on August 7, 2015 and for which U.S. non provisional patent application 15/229,362 was filed in the United States Patent and Trademark Office on August 5, 2016.

WHEREAS, ALCOA INC., a corporation organized and existing under the laws of the State of Pennsylvania and having a place of business at Alcoa Corporate Center, 201 Isabella Street, Pittsburgh, Pennsylvania 15212-5858 (hereinafter "Assignee"), is desirous of acquiring Assignors' entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted thereon or therefrom.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors hereby sell, assign and set over to said Assignee their entire right, title and interest in and for the United States of America and all other countries, worldwide, in and to said invention and the aforesaid application for patent, all original, divisional, continuation, continuation-in-part, non-provisional, substitute, reexamination or reissue applications and patents applied for or granted therefore in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said application and/or applications resulting therefrom to said Assignee herein, as Assignee of the entire interest therein; and the undersigned and their legal representatives, heirs and assigns does hereby agree and covenant, without further remuneration, to execute and deliver all original, non-provisional, divisional, continuation, continuation-in-part, reexamination, reissue and other applications for patent on said invention and all assignments thereof to said Assignee or its assigns, to communicate to said Assignee or its legal representatives all facts known to the undersigned respecting said invention, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid said Assignee, its successors, assigns and nominees in obtaining patent protection on said invention in all countries, the expenses incident to said applications to be borne and paid by said Assignee. Assignors covenant that the Assignors have full rights to convey the interests herein assigned and have no relationship, obligations or agreements with any other party that has conflicts with this Assignment.

Date:	9/9/2016	By: WHIDIA	
		WILLIAM J. HOOPER	
Date:	09/08/2016	By:	· · · · · · · · · · · · · · · · · · ·
	• •	JOSHUA TUMINELLA	
Date:	09/09/2016	By: Jon-Karetii Barbarbar	(
	,	ION-HORATIU BARBULESCU	

Date: 9/9/20/6 By: MATTHEW M. MILLER

Date: 9/9/20/6 By: MATTHEW M. MILLER