

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERTO J. RIOJA	02/16/2015
BRETT P. CONNER	02/12/2015
RAJEEV G. KAMAT	02/11/2015
RECEIVING PARTY DATA	
Name:	ALCOA INC.
Street Address:	201 ISABELLA STREET
Internal Address:	ALCOA CORPORATE CENTER
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15212-5858
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13853007
CORRESPONDENCE DATA	
Fax Number:	(724)337-5959
<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>	
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Address Line 2:	GREENBERG TRAURIG, LLP
Address Line 4:	ALCOA CENTER, PENNSYLVANIA 15069-0001
ATTORNEY DOCKET NUMBER:	11-1703
NAME OF SUBMITTER:	MAURI L. AVEN
SIGNATURE:	/Mauri L. Aven/
DATE SIGNED:	03/03/2015
Total Attachments: 4	
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ASSIGNMENT

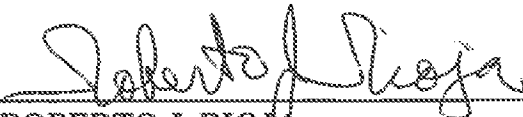
WHEREAS, we, **ROBERTO J. RIOJA** of 4885 Bulltown Road, Murrys ville, Pennsylvania 15668, USA; **BRETT P. CONNER** of 4717 Pembroke Court, Allison Park, Pennsylvania 15101, USA; and **RAJEEV G. KAMAT** of 3357 Keenland Road, Marietta, Georgia 30062, USA, have invented a certain new and useful invention entitled **"CRASHWORTHY STRUCTURES FORMED OF MULTILAYERED METALLIC MATERIALS"**, for which the following patent application has been prepared and filed with the U.S. Patent and Trademark Office:

(i) on March 28, 2013, receiving Serial No. 13/853,007.

NOW THEREFORE, be it known that we, for and in consideration of one U.S. dollar (\$1 US) and other certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, **Alcoa Inc.**, a Pennsylvania corporation having a place of business at **Alcoa Corporate Center, 201 Isabella Street, Pittsburgh, PA 15212-5858**, its successors, legal representatives and assigns, the aforesaid applications and all rights to claim priority directly or indirectly to the aforesaid applications and all continuation, divisional, continuation-in-part and reissue applications, all patent applications that claim priority directly or indirectly to the aforesaid applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention(s), and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention(s) in the United States or any other country; we also assign any right, title or interest in and to the invention(s) that has not already been transferred to the assignee; we warrant that no assignment of the invention(s), application or patent therefor has been made to a party other than **Alcoa Inc.**; we warrant that there is no obligation to make any assignment, grant, mortgage, license, or other agreement affecting the rights, and property herein conveyed, and that we have the full right to convey the same as expressed herein of the invention(s), application, or any patent therefor to any party other than **Alcoa Inc.**; and agree that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, we will, for all countries execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to me relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements, and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives.

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

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: Feb 16, 2015 By: 
ROBERTO J. RIOJA

Date: _____ By: _____
BRETT P. CONNER

Date: _____ By: _____
RAJEEV G. KAMAT

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IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: _____

By: _____
ROBERTO J. RIOJA

Date: 2/12/15

By: 
BRETT P. CONNER

Date: _____

By: _____
RAJEEV G. KAMAT

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

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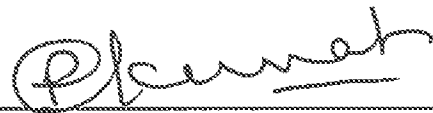
Date: _____

By: _____
ROBERTO J. RIOJA

Date: _____

By: _____
BRETT P. CONNER

Date: Feb 11, 2015

By: 
RAJEEV G. KAMAT