PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mr. Donald J. Spinella	04/16/2009
Mr. John R. Brockenbrough	05/14/2009
Mr. Joseph M. Fridy	04/14/2009

RECEIVING PARTY DATA

Name:	ALCOA INC.	
Street Address:	Alcoa Corporate Center	
Internal Address:	201 Isabella Street	
City:	Pittsburgh	
State/Country:	PENNSYLVANIA	
Postal Code:	15212-5858	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	12246820
PCT Number:	US0930334

CORRESPONDENCE DATA

Fax Number: (724)337-5959

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 724 337 4185

Email: maryann.thompson@alcoa.com

Correspondent Name: Alcoa Intellectual Property Department

Address Line 1: 100 Technical Drive, C-70

Address Line 4: Alcoa Center, PENNSYLVANIA 15069

ATTORNEY DOCKET NUMBER: 06-0256PCT CIP

NAME OF SUBMITTER: Peter J. Borghetti

PATENT REEL: 022715 FRAME: 0847 0.00 1224682

Total Attachments: 2 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif

> PATENT REEL: 022715 FRAME: 0848

ASSIGNMENT

In consideration of \$1.00 (one dollar) and other good and valuable considerations, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, Donald J. Spinella, of the city of Greensburg, John R. Brockenbrough, of the city of Murrysville, and Joseph M. Fridy, of the city of Pittsburgh, all of the Commonwealth of Pennsylvania.

Hereby sell, assign and transfer to Alcoa Inc., a corporation of the Commonwealth of Pennsylvania, having a place of business at Alcoa Corporate Center, 201 Isabella Street, Pittsburgh, Pennsylvania 15212-5858, County of Allegheny, its successors, assigns, and legal representatives, our entire right, title and interest, for all countries, in and to any and all improvements which are disclosed and claimed, and any and all improvements which are disclosed but not claimed, in the application for United States Non-Provisional Application filed October 7, 2008, U.S. Serial Number 12/246,820, entitled "PRODUCTION OR ASSEMBLY LINE METHOD OF SPOT WELDING" (Atty. Docket No.:06-0256CIP) and PCT International Application filed January 7, 2009, PCT Application Number PCT/US09/30334, entitled "PRODUCTION OR ASSEMBLY LINE METHOD OF SPOT WELDING" (Atty. Docket No.:06-0256CIP PCT) in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Authorize and request the Commissioner of Patents and Trademarks to issue to said Assignee, Alcoa Inc., its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said improvements, or any of them disclosed in said application;

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 us 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.

NY 239.419.826v1 3-13-09 ALCOA 06-0256CIP

PATENT REEL: 022715 FRAME: 0849 Covenant with said Assignee, its successors, assigns and legal representatives that we have made to others no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed, and that we have full right to convey the same as herein expressed.

Donald J Spinella

MM/DD/YYYY

John R. Brockenbrough

05/14/2009 MM/DD/YYYY

Joseph M. Fridy

MM/DD/YYYY

NY 239,419,826v1 3-13-09 ALCOA 06-0256CIP

RECORDED: 05/21/2009

PATENT REEL: 022715 FRAME: 0850