

PATENT ASSIGNMENT COVER SHEET

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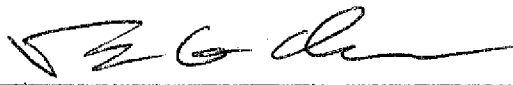
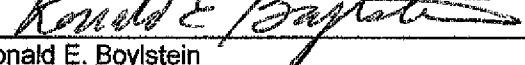
SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MEN G. CHU	01/05/2015
RALPH R. SAWTELL	12/23/2014
RONALD E. BOYLSTEIN	01/05/2015
RECEIVING PARTY DATA	
Name:	ALCOA INC.
Street Address:	ALCOA CORPORATE CENTER
Internal Address:	201 ISABELLA STREET
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15212-5858
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13901356
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>	
Phone:	724-337-4986
Email:	IPLD-GT@ALCOA.COM
Correspondent Name:	INTELLECTUAL PROPERTY
Address Line 1:	ALCOA TECHNICAL CENTER, BUILDING C
Address Line 2:	100 TECHNICAL DRIVE
Address Line 4:	ALCOA CENTER, PENNSYLVANIA 15069-0001
ATTORNEY DOCKET NUMBER:	06-0243/DIV
NAME OF SUBMITTER:	CHRISTINE LUCAS
SIGNATURE:	/Christine Lucas/
DATE SIGNED:	01/08/2015
Total Attachments: 1	
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ASSIGNMENT

WHEREAS, WE, MEN G. CHU, a citizen of the United States of America, residing at 2750 Roselyn Drive, Export, PA 15632, RALPH R. SAWTELL, a citizen of the United States of America, residing at 466 Four Lakes Drive, Gibsonia, PA 15044, and RONALD E. BOYLSTEIN, a citizen of the United States of America, residing at 639 Blueridge Road, Pittsburgh, PA 15239, (hereinafter "Assignors") have invented a new and useful invention entitled: METHOD OF PRODUCING INGOT WITH VARIABLE COMPOSITION USING PLANAR SOLIDIFICATION for which a utility patent application was filed in the United States Patent and Trademark Office on May 23, 2013 as U.S. Patent Application Serial No. 13/901,356.

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 do 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 they have full rights to convey the interests herein assigned and have no relationships, obligations or agreements with any other party that conflicts with this Assignment.

Date: 01/05/2015By: 
Men G. ChuDate: 12/23/2014By: 
Ralph R. SawtellDate: 05 JAN. 2015By: 
Ronald E. Boylstein