

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jeffrey J. Shaw	09/22/2011
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: 3	
Property Type	Number
Application Number:	12982980
Patent Number:	7377304
Patent Number:	7951468
CORRESPONDENCE DATA	
Fax Number:	(724)337-5959
Phone:	7243374986
Email:	IPLD-GT@ALCOA.COM
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
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
NAME OF SUBMITTER:	Christine Lucas
Total Attachments: 1 source=assign#page1.tif	

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ASSIGNMENT

I, **Jeffrey J. Shaw** hereinafter referred to as ASSIGNOR, whose post office addresses is: 481 Toledo Drive, New Kensington, Pennsylvania 15068, U.S.A.; set forth below, have invented and own the patent properties and inventions listed below as **SCHEDULE A**;

WHEREAS, **Alcoa Inc.** a corporation organized and existing under the laws of the State of Pennsylvania, and having its principal place of business at **Alcoa Corporate Center, 201 Isabella Street, Pittsburgh, Pennsylvania 15212-5858, U.S.A.** (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for one U.S. dollar (\$1 US) and other good and valuable consideration, I hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I HEREBY COVENANT that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

I FURTHER COVENANT that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and I will testify as to the same in any interference 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 said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Date: 9.22.2011

By: Jeffrey J. Shaw
Jeffrey J. Shaw

SCHEDULE A

Country	Appln./Patent No.	Filing/Issue Date	Title
United States of America	12/982,980	December 31, 2010	Method of Unidirectional Solidification of Castings and Associated Apparatus
United States of America	7,377,304	May 27, 2008	Method of Unidirectional Solidification of Castings and Associated Apparatus
United States of America	7,951,468	May 31, 2011	Method of Unidirectional Solidification of Castings and Associated Apparatus