# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Israel Stol	05/18/2005
John W. Cobes	05/18/2005

## **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:	11133083	

## **CORRESPONDENCE DATA**

(724)337-5959 Fax Number:

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

Phone: 724-337-2772

susan.cranmer@alcoa.com Email:

Correspondent Name: Eckert Seamans Cherin & Mellott, LLC.

ATC -- 100 Technical Drive Address Line 1:

Address Line 4: Alcoa Center, PENNSYLVANIA 15069-0001

NAME OF SUBMITTER: GARY P. TOPOLOSKY

**Total Attachments: 2** 

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**PATENT** 

**REEL: 016242 FRAME: 0278** 

### **ASSIGNMENT**

In consideration of One Dollar (\$1.00), and other good, and valuable considerations, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, Israel Stol of the city of Pittsburgh, county of Allegheny and John W. Cobes of the city of Lower Burrell, county of Westmoreland, both of the state of Pennsylvania; respectively

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, 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 Patent, Serial No. 11/133,083, Filed May 19, 2005, entitled "Fracture Resistant Friction Stir Welding Tools" (Atty. Docket No. 370023-00097-02) and 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 my attorney to insert above the filing date and application number when they become known;

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.

PATENT REEL: 016242 FRAME: 0279 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.

	Israel Stol	181117 2005 Date
	John W. Cobes	MA 4 18 2000 Date
State of Pennsylvania	) )SS.	
County of Westmoreland	)	
Before me this	n to be the person who is describe	4 V /= ':
Member, Pennsylvania Association Of Notaries State of Pennsylvania	) )SS.	
County of Westmoreland	)	
Before me this/\delta John W. Cobes, to me personally above instrument, and he acknowled purposes therein set forth.	known to be the person who is des	and the second of the second o
COMMONWEALTH OF PENNSYLVANIA  Notarial Seal Susan Cranmer-Jervis, Notary Public Upper Burrell Twp., Westmoreland County My Commission Expires Dec. 11, 2007	System Mun. Notary Public	rer Jews

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Member, Pennsylvania Association Of Notaries

**RECORDED: 07/11/2005**