

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Neal Richard Dando</td> <td>12/13/2006</td> </tr> <tr> <td>Gary Paul Tarcy</td> <td>12/15/2006</td> </tr> </tbody> </table>		Name	Execution Date	Neal Richard Dando	12/13/2006	Gary Paul Tarcy	12/15/2006
Name	Execution Date						
Neal Richard Dando	12/13/2006						
Gary Paul Tarcy	12/15/2006						
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							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>7112268</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	7112268		
Property Type	Number						
Patent Number:	7112268						
CORRESPONDENCE DATA							
Fax Number:	(303)572-6540						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(303) 572-6500						
Email:	briggsh@gtlaw.com						
Correspondent Name:	Heath J. Briggs						
Address Line 1:	1200 17th Street, Suite 2400						
Address Line 2:	Greenberg Traurig, LLP						
Address Line 4:	Denver, COLORADO 80202						
ATTORNEY DOCKET NUMBER:	02-3247						
NAME OF SUBMITTER:	Sylvia A. Cei						

Total Attachments: 2
 source=02-3247_Assignment_executed#page1.tif

CH \$40.00 7112268

**ASSIGNMENT
& APPOINTMENT OF COMMON REPRESENTATIVE**

WHEREAS, we, **Neal Richard Dando**, residing at 4611 Northridge Court, Murrysville, PA 15668; and **Gary Paul Tarcy**, residing at 4015 Holiday Park Drive, Murrysville, PA 15686, together with Michael Lewis Slaughaupt, have invented a certain new and useful invention entitled **MEASURING DUCT OFFGAS TEMPERATURES TO IMPROVE ELECTROLYTIC CELL ENERGY EFFICIENCY** for which a patent application has been prepared and filed with the U.S. Patent & Trademark Office on August 21, 2003, receiving Serial No. 10/645,070, which has issued as U.S. Patent No. 7,112,268, and further identified as Attorney File No. 02-3247;

NOW THEREFORE, be it known that I, for and in consideration of 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 application and all rights to claim priority directly or indirectly to the aforesaid application and all continuation, divisional, continuation-in-part and reissue applications, all patent applications that claim priority directly or indirectly to the aforesaid application, 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; I also assign any right, title or interest in and to the invention(s) that has not already been transferred to the assignee; I warrant that no assignment of the invention(s), application or patent therefor has been made to a party other than **Alcoa Inc.**; I warrant that there is no obligation to make any assignment of the invention(s), application, or any patent therefor to any party other than **Alcoa Inc.**; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention(s), but at the expense of said assignee.

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.

Furthermore, I hereby irrevocably appoint **Alcoa Inc.**, its successors, legal representatives and assigns, as common representative for any and all international patent applications filed pursuant to the Patent Cooperation Treaty, and all national phase applications derived therefrom, concerning the invention(s) or claiming priority from the aforesaid application.

IN WITNESS WHEREOF, the party hereto has executed this Assignment & Appointment of Common Representative as of the date indicated hereunder.

Date: 12/17/06

By: 
Neal Richard Dando

Date: _____

By: _____
Gary Paul Tarcy

**ASSIGNMENT
& APPOINTMENT OF COMMON REPRESENTATIVE**

WHEREAS, we, **Neal Richard Dando**, residing at 4611 Northridge Court, Murrysville, PA 15668; and **Gary Paul Tarcy**, residing at 4015 Holiday Park Drive, Murrysville, PA 15686, together with Michael Lewis Slaughaupt, have invented a certain new and useful invention entitled **MEASURING DUCT OFFGAS TEMPERATURES TO IMPROVE ELECTROLYTIC CELL ENERGY EFFICIENCY** for which a patent application has been prepared and filed with the U.S. Patent & Trademark Office on August 21, 2003, receiving Serial No. 10/645,070, which has issued as U.S. Patent No. 7,112,268, and further identified as Attorney File No. 02-3247;

NOW THEREFORE, be it known that I, for and in consideration of 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 application and all rights to claim priority directly or indirectly to the aforesaid application and all continuation, divisional, continuation-in-part and reissue applications, all patent applications that claim priority directly or indirectly to the aforesaid application, 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; I also assign any right, title or interest in and to the invention(s) that has not already been transferred to the assignee; I warrant that no assignment of the invention(s), application or patent therefor has been made to a party other than **Alcoa Inc.**; I warrant that there is no obligation to make any assignment of the invention(s), application, or any patent therefor to any party other than **Alcoa Inc.**; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention(s), but at the expense of said assignee.

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.

Furthermore, I hereby irrevocably appoint **Alcoa Inc.**, its successors, legal representatives and assigns, as common representative for any and all international patent applications filed pursuant to the Patent Cooperation Treaty, and all national phase applications derived therefrom, concerning the invention(s) or claiming priority from the aforesaid application.

IN WITNESS WHEREOF, the party hereto has executed this Assignment & Appointment of Common Representative as of the date indicated hereunder.

Date: _____

By: _____
Neal Richard Dando

Date: 12/15/06

By: Gary Paul Tarcy
Gary Paul Tarcy