

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Rajat S. Ghosh</td><td>06/16/2006</td></tr><tr><td>Dennis Fulmer</td><td>06/16/2006</td></tr><tr><td>Kevin Kitzman</td><td>06/15/2006</td></tr><tr><td>John Smith</td><td>06/16/2006</td></tr></tbody></table>	Name	Execution Date	Rajat S. Ghosh	06/16/2006	Dennis Fulmer	06/16/2006	Kevin Kitzman	06/15/2006	John Smith	06/16/2006	
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Rajat S. Ghosh	06/16/2006										
Dennis Fulmer	06/16/2006										
Kevin Kitzman	06/15/2006										
John Smith	06/16/2006										
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11749448</td></tr></tbody></table>	Property Type	Number	Application Number:	11749448							
Property Type	Number										
Application Number:	11749448										
CORRESPONDENCE DATA											
Fax Number: (720)904-6118 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 303-685-7418											
Email: briggsh@gtlaw.com											
Correspondent Name: Heath J. Briggs											
Address Line 1: 1200 17th Street											
Address Line 4: Denver, COLORADO 80202											
ATTORNEY DOCKET NUMBER:	06-1079UTL										
NAME OF SUBMITTER:	Travis E. Clair										

CH \$40.00 11749448

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PATENT
REEL: 019302 FRAME: 0046

Total Attachments: 3

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**ASSIGNMENT & APPOINTMENT OF
COMMON REPRESENTATIVE**

WHEREAS, we, **Rajat S. Ghosh**, residing at 518 Malabar Drive, Pittsburgh, PA 15239; **Dennis Fulmer**, residing at 929 Clawson Avenue, Greensburg, PA 15601; **Kevin Kitzman**, residing at 212 Pickens Street, Wenatchee, WA 98801; and **John Smith**, residing at 1 Batavia Road, Pittsburgh, PA 15221, have invented a certain new and useful invention entitled **SYSTEMS AND METHODS FOR TREATING WATER USING IRON** for which a patent application has been prepared and filed with the U.S. Patent & Trademark Office on May 31, 2006, receiving **Serial No. 60/803,626**, and further identified as Attorney File No. 06-1079;

NOW THEREFORE, be it known that we, 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 hereby irrevocably 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; we also assign any right, title or interest in and to the invention(s) that has not already been transferred to the assignee; we warrant that no assignment of the invention(s), application or patent therefor has been made to a party other than **Alcoa Inc.**; we 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 we 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, we 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: 6/16/06

By: 
Rajat S. Ghosh

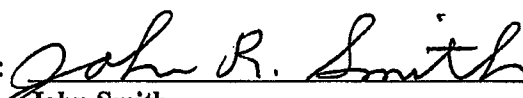
Date: 6/16/06

By: 
Dennis Fulmer

Date: June 15, 2006

By: 
Kevin Kitzman

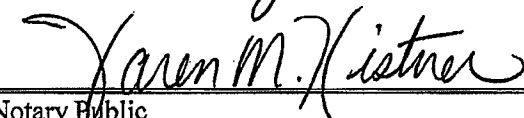
Date: June 16, 2006

By: 
John Smith

STATE OF Pennsylvania)
COUNTY OF Westmoreland) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Rajat S. Ghosh**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 16th day of June, 2006.

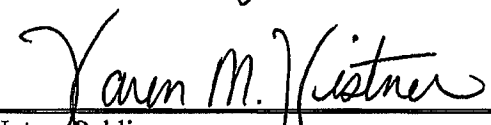

Notary Public
My Commission Expires:

Notarial Seal
Karen M. Kistner, Notary Public
Upper Burrell Twp., Westmoreland County
My Commission Expires Nov. 12, 2006
Member, Pennsylvania Association Of Notaries

STATE OF Pennsylvania)
COUNTY OF Westmoreland) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Dennis Fulmer**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 16th day of June, 2006.

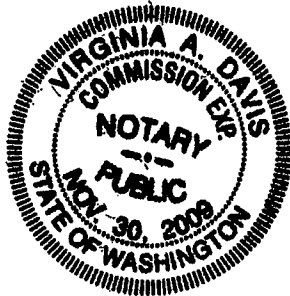

Notary Public
My Commission Expires:

Notarial Seal
Karen M. Kistner, Notary Public
Upper Burrell Twp., Westmoreland County
My Commission Expires Nov. 12, 2006
Member, Pennsylvania Association Of Notaries

STATE OF WASHINGTON)
) ss.
COUNTY OF CHELAN)

Before me, a Notary Public in and for said County and State, personally appeared **Kevin Kitzman**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 15th day of JUNE, 2006.



Virginia A Davis
Notary Public
My Commission Expires: Nov. 30, 2009

kmx Date: _____

By: _____

John Smith

STATE OF Pennsylvania)
) ss.
COUNTY OF Westmoreland)

Before me, a Notary Public in and for said County and State, personally appeared **John Smith**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 16th day of June, 2006

Karen M. Kistner
Notary Public

My Commission Expires:

Notarial Seal
Karen M. Kistner, Notary Public
Upper Burrell Twp., Westmoreland County
My Commission Expires Nov. 12, 2006
Member, Pennsylvania Association Of Notaries