

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Olaf-Trygve Vegge</td> <td>03/02/2009</td> </tr> <tr> <td>Harald Haaland</td> <td>02/27/2009</td> </tr> <tr> <td>Jon Brinch</td> <td>04/03/2009</td> </tr> <tr> <td>Jarle Erland Herstad</td> <td>03/17/2009</td> </tr> <tr> <td>Constantin Jorgensen</td> <td>03/30/2009</td> </tr> </tbody> </table>		Name	Execution Date	Olaf-Trygve Vegge	03/02/2009	Harald Haaland	02/27/2009	Jon Brinch	04/03/2009	Jarle Erland Herstad	03/17/2009	Constantin Jorgensen	03/30/2009
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Alcoa Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>201 Isabella Street</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Alcoa Corporate Center</td> </tr> <tr> <td><b>City:</b></td> <td>Pittsburgh</td> </tr> <tr> <td><b>State/Country:</b></td> <td>PENNSYLVANIA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>15212-5858</td> </tr> </table>		<b>Name:</b>	Alcoa Inc.	<b>Street Address:</b>	201 Isabella Street	<b>Internal Address:</b>	Alcoa Corporate Center	<b>City:</b>	Pittsburgh	<b>State/Country:</b>	PENNSYLVANIA	<b>Postal Code:</b>	15212-5858
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<b>CORRESPONDENCE DATA</b>													
<p><b>Fax Number:</b> (720)904-6118</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p><b>Phone:</b> 303-572-6500</p> <p><b>Email:</b> briggsh@gtlaw.com</p> <p><b>Correspondent Name:</b> Heath J. Briggs</p> <p><b>Address Line 1:</b> 1200 17th Street, Suite 2400</p> <p><b>Address Line 2:</b> The Tabor Center</p> <p><b>Address Line 4:</b> Denver, COLORADO 80202</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	08-1394WO												

CH \$40.00 US0876550

**500843604**

**PATENT**  
**REEL: 022593 FRAME: 0641**

NAME OF SUBMITTER:

Marilyn Morris

Total Attachments: 3

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## **DECLARATION AND ASSIGNMENT**

**WHEREAS** we:

(1) **Olaf-Trygve Vegge**, a citizen of Norway, having a residence of Skuteveien 13, N4624 Kristansand S., Norway;

(2) **Harald Haaland**, a citizen of Norway, having a residence of Tonsberggate 8, 0464 Oslo, Norway;

(3) **Jon Brinch**, a citizen of Norway having a residence of Sponhoggveien 39A, 0284 Oslo, Norway;

(4) **Jarle Erland Herstad**, a citizen of Norway, having a mailing address of Nyveien 23, 1482 Nittedal, Norway; and

(5) **Constantin Jorgensen**, a citizen of Norway, having a mailing address of Vetlandsveien 87A, 0685 Oslo, Norway;

Have jointly invented an invention entitled, **SEAWALL AND BOTTOM ELECTRODE ARRANGEMENT FOR ELECTRICAL SMELTING REACTORS AND METHOD FOR FEEDING SUCH ELECTRODES**, which is described in PCT Application No. PCT/US2008/076550, filed on September 16, 2008, and further identified as Attorney Reference No. 08-1394WO;

**NOW THEREFORE**, as an above-named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated next to my name;

I believe I am a first original and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention described in the above-identified PCT Application;

I have reviewed and understands the contents of the specification, including the claims, of the above-identified PCT Application, as amended by any amendment specifically referred to above;

I acknowledge my duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56; and

**FURTHERMORE**, 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 assignees do sell, assign and transfer unto said assignees:

**Alcoa Inc.**, a corporation of the **State of Pennsylvania, United States of America**, having a place of business at **Alcoa Corporate Center, 201 Isabella Street, Pittsburgh, PA 15212-5858**; and

**Elkem AS**, a corporation of **Norway**, having a place of business at **Hoffsveien 65B, 0377 Oslo, Norway**;

their successors, legal representatives and assigns, the aforesaid PCT 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 assignees; we warrant that no assignment of the invention(s), application or patent therefor has been made to a party other than **Alcoa Inc. and Elkem AS**; 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 Elkem AS**; and we further agree to cooperate with the assignees hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignees' exclusive ownership of the invention(s), but at the expense of said assignees.

I hereby declare that 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. and Elkem AS**, their successors, legal representatives and assigns, as the assignees of the entire right, title and interest therein.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made herein on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity or enforceability of the above-identified patent application or any patent issued thereon.

First Joint Inventor: Olaf-Trygve Vegge  
Inventor's signature: *Olaf T. Vegge*  
Date: Mar. 2, 2009  
Witness: Robertha Högland  
Date: March 2nd, 2009

Second Joint Inventor: Harald Haaland  
Inventor's signature: *Harald Haaland*  
Date: Feb. 27, 2009  
Witness: Robertha Högland  
Date: Feb 27, 2009

Third Joint Inventor: Johan Fredrik Brinch, legal representative of deceased inventor  
Jon Brinch  
Inventor's signature: *Joh Fr Br*  
Date: April 3rd, 2009  
Witness: Julie Langoeth  
Date: April 3rd, 2009

Fourth joint inventor: Jarle Erland Herstad  
Inventor's signature: *Je. Herstad*  
Date: March, 15<sup>th</sup>, 2009  
Witness: Tom Eil Christen  
Date: 17/3-09

Fifth joint inventor: Constantin Jorgensen  
Inventor's signature: *Constantin Jorgensen*  
Date: March 30<sup>th</sup> 2009  
Witness: Punar Fepishajar  
Date: 30.03.2009