

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Craig M. Saunders</td><td>01/08/2007</td></tr><tr><td>Marc L. Vitantonio</td><td>01/08/2007</td></tr><tr><td>Giles Douglas Powell Jr.</td><td>01/05/2007</td></tr><tr><td>Paul J. Tretina</td><td>01/05/2007</td></tr></tbody></table>		Name	Execution Date	Craig M. Saunders	01/08/2007	Marc L. Vitantonio	01/08/2007	Giles Douglas Powell Jr.	01/05/2007	Paul J. Tretina	01/05/2007		
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Marc L. Vitantonio	01/08/2007												
Giles Douglas Powell Jr.	01/05/2007												
Paul J. Tretina	01/05/2007												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>ALCOA INC.</td></tr><tr><td>Street Address:</td><td>201 Isabella Street</td></tr><tr><td>Internal Address:</td><td>Alcoa Corporate Center</td></tr><tr><td>City:</td><td>Pittsburgh</td></tr><tr><td>State/Country:</td><td>PENNSYLVANIA</td></tr><tr><td>Postal Code:</td><td>15212-5858</td></tr></table>		Name:	ALCOA INC.	Street Address:	201 Isabella Street	Internal Address:	Alcoa Corporate Center	City:	Pittsburgh	State/Country:	PENNSYLVANIA	Postal Code:	15212-5858
Name:	ALCOA INC.												
Street Address:	201 Isabella Street												
Internal Address:	Alcoa Corporate Center												
City:	Pittsburgh												
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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>29250137</td></tr></tbody></table>		Property Type	Number	Application Number:	29250137								
Property Type	Number												
Application Number:	29250137												
CORRESPONDENCE DATA													
Fax Number: (703)714-8301 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: (703)749-1300													
Email: mahanp@gtlaw.com													
Correspondent Name: James E. Goepel													
Address Line 1: 1750 Tysons Blvd.													
Address Line 2: Suite 1200													
Address Line 4: McLean, VIRGINIA 22102													
ATTORNEY DOCKET NUMBER:	ALCOA 06-1948D04												
NAME OF SUBMITTER:	James E. Goepel												

CH \$40.00 29250137

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PATENT
REEL: 018739 FRAME: 0174

Total Attachments: 5

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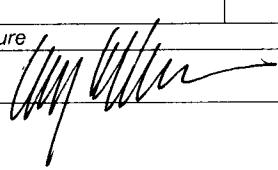
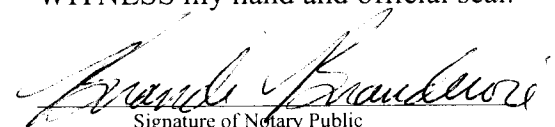
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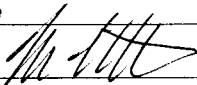
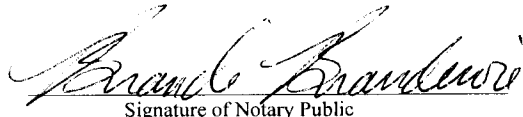
ASSIGNMENT

Application of: Craig M. SAUNDERS et al.	Docket No.: ALCOA 06-1948D04
Serial Number: 29/250,137	
Filing Date: November 3, 2006	
Title: HANDHELD VACUUM PUMP ACCUMULATOR	
<p>WHEREAS, CRAIG M. SAUNDERS, MARC L. VITANTONIO, GILES DOUGLAS POWELL JR. and PAUL J. TRETINA, whose post office addresses appear below (hereinafter referred to as ASSIGNOR), have invented certain new and useful improvements in HANDHELD VACUUM PUMP ACCUMULATOR (hereinafter referred to as THE INVENTION) described in the above-captioned Application for United States Letters Patent; and</p>	
<p>WHEREAS, ALCOA INC., whose post office address is 201 Isabella Street, Alcoa Corporate Center, Pittsburgh, Pennsylvania 15212-5858 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world.</p>	
<p>NOW, THEREFORE, in consideration of One Dollar (\$1.00), and for good and valuable consideration, receipt of which is hereby acknowledged, we, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and Patent Application throughout the United States of America, including any and all United States Letters Patent granted on any U.S. Patent Application, and any division, continuation, continuation-in-part and reissue of said U.S. Patent Application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.</p>	
<p>ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives. If no serial number is listed above for the captioned patent application, the Assignor hereby authorizes the firm of Greenberg Traurig to insert into this Assignment the Serial Number or other information which may be necessary to identify the patent application or patents to which this Assignment relates.</p>	
<p>ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.</p>	

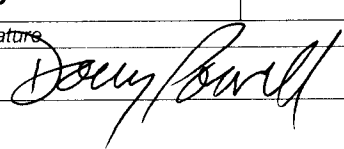
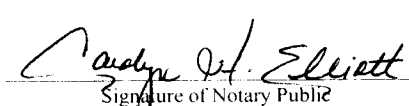
ASSIGNMENT

Application of: Craig M. SAUNDERS et al.		Docket No.: ALCOA 06-1948D04	
Serial Number: 29/250,137			
Filing Date: November 3, 2006			
Title: HANDHELD VACUUM PUMP ACCUMULATOR			
Full Name of First or Sole Inventor		Citizenship	
Craig M. Saunders		U.S.A.	
Mailing Address – Street		Post Office Address – Street	
21471 Aberdeen Road		Same as Mailing Address	
City		City	
Rocky River		Rocky River	
State or Country	Zip Code	State or Country	Zip Code
Ohio	44116	Ohio	44116
Date:		Signature	
<u>1/8/2007</u>			
<small>(Notarization preferred but not required)</small>			
State of <u>OHIO</u>) ss:	
County of <u>Cuyahoga</u>) ss:	
On <u>January 8th, 2007</u> , before me,		BRANDI BRANDEWIE Notary Public – State of Ohio, Cuya. Cty. My Commission Expires April 13, 2010	
Date		Name and Title of Officer (e.g. Jane Doe, Notary Public)	
personally appeared <u>Craig M. Saunders</u>			
		Name(s) of Signer(s)	
personally known to me, or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.			
SEAL		WITNESS my hand and official seal.	
		 Signature of Notary Public	

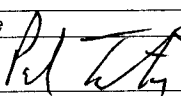
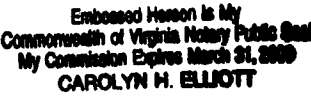
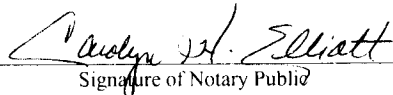
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Application of: Craig M. SAUNDERS et al.		Docket No.: ALCOA 06-1948D04	
Serial Number: 29/250,137			
Filing Date: November 3, 2006			
Title: HANDHELD VACUUM PUMP ACCUMULATOR			
<i>Full Name of Second Inventor</i>		<i>Citizenship</i>	
Marc L. Vitantonio		U.S.A.	
<i>Mailing Address – Street</i>		<i>Post Office Address – Street</i>	
121 Countryside Drive		Same as Mailing Address	
<i>City</i>		<i>City</i>	
South Russell		South Russell	
<i>State or Country</i>	<i>Zip Code</i>	<i>State or Country</i>	<i>Zip Code</i>
Ohio	44022	Ohio	44022
<i>Date:</i>		<i>Signature</i>	
1/8/2007			
<small>(Notarization preferred but not required)</small>			
State of <u>OHIO</u>)			
County of <u>Cuyahoga</u>)		ss:	
On <u>January 8th, 2007</u> , before me,		BRANDI BRANDEWIE Notary Public – State of Ohio, Cuya. Cty. My Commission Expires April 13, 2010	
<small>Date</small>	<small>Name and Title of Officer (e.g. Jane Doe, Notary Public)</small>		
personally appeared <u>Marc L. Vitantonio</u> ,			
<small>Name(s) of Signer(s)</small>			
personally known to me, or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.			
SEAL		WITNESS my hand and official seal.  <small>Signature of Notary Public</small>	

ASSIGNMENT

Application of: Craig M. SAUNDERS et al.		Docket No.: ALCOA 06-1948D04	
Serial Number: 29/250,137			
Filing Date: November 3, 2006			
Title: HANDHELD VACUUM PUMP ACCUMULATOR			
<i>Full Name of Third Inventor</i>		<i>Citizenship</i>	
Giles Douglas Powell Jr.		U.S.A.	
<i>Mailing Address – Street</i>		<i>Post Office Address – Street</i>	
2515 Cedar Cone Drive		Same as Mailing Address	
<i>City</i>		<i>City</i>	
Richmond		Richmond	
<i>State or Country</i>	<i>Zip Code</i>	<i>State or Country</i>	<i>Zip Code</i>
Virginia	23230	Virginia	23230
<i>Date:</i>		<i>Signature</i>	
<u>1/5/2007</u>			
<small>(Notarization preferred but not required)</small>			
State of <u>Virginia</u>)			
County of <u>Henrico</u>) ss:			
On <u>January 5, 2007</u> , before me, <u>Carolyn H. Elliott, Notary Public</u>			
<small>Date</small>		<small>Name and Title of Officer (e.g. Jane Doe, Notary Public)</small>	
personally appeared		<u>Giles Douglas Powell Jr.</u>	
		<small>Name(s) of Signer(s)</small>	
personally known to me, or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.			
WITNESS my hand and official seal.			
SEAL		<small>Embossed Hereon is My Commonwealth of Virginia Notary Public Seal My Commission Expires March 31, 2009 CAROLYN H. ELLIOTT</small>	
		 <small>Signature of Notary Public</small>	

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Application of: Craig M. SAUNDERS et al.		Docket No.: ALCOA 06-1948D04	
Serial Number: 29/250,137			
Filing Date: November 3, 2006			
Title: HANDHELD VACUUM PUMP ACCUMULATOR			
<i>Full Name of Fourth Inventor</i>		<i>Citizenship</i>	
Paul J. Tretina		U.S.A.	
<i>Mailing Address – Street</i>		<i>Post Office Address – Street</i>	
4816 Kellywood Drive		Same as Mailing Address	
<i>City</i>		<i>City</i>	
Glen Allen		Glen Allen	
<i>State or Country</i>	<i>Zip Code</i>	<i>State or Country</i>	<i>Zip Code</i>
Virginia	23060	Virginia	23060
<i>Date:</i>		<i>Signature</i>	
1/5/07			
<small>(Notarization preferred but not required)</small>			
State of <u>Virginia</u>)			
County of <u>Henrico</u>) ss:			
On <u>January 5, 2007</u> , before me, <u>Carolyn H. Elliott, Notary Public</u> ,			
Date		Name and Title of Officer (e.g. Jane Doe, Notary Public)	
personally appeared <u>Paul J. Tretina</u>			
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WITNESS my hand and official seal.			
SEAL			
		 Signature of Notary Public	