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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

4-30-01

PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
 Name of conveying party(ies): LeRoy E. D'Astolfo, Jr. Robert C. Moore Nature of conveyance:	Name and address of receiving party(ies): Alcoa Inc. Alcoa Corporate Center 201 Isabella Street Pittsburgh, PA 15212-5858
Execution Date: 1. March 30, 2001 3. 2. 4.	Additional name(s) & address(es) attached? ☐ Yes ■ No
4. Application number(s) or patent number(s):	
A. Patent Application No.(s)	B. Patent No.(s)
09/792,728, filed February 23, 2001(Docket No. 99-2192)	
 Additional numbers attached? □ Yes ■ No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00
Edward L. Levine	□ Enclosed
	■ Authorized to be charged to deposit account
08840	8. Deposit Account No. 01-1000 (Attach duplicate copy of this page if paying by deposit account)
PATENT TRADEMARK OFFICE	
DO NOT USE THIS SPACE	
405	
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.	
Christine J. Graff Name of Person Signing Name of pages including cover sheet, attachments and document: 4	
SET TO SEE THE SECOND S	

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, LeRoy E. D'Astolfo, Jr., and Robert C. Moore, of Lower Burrell, in the County of Westmoreland and State of Pennsylvania, and of Knoxville, in the County of Knox and the State of Tennessee, USA, respectively

Hereby sell, assign and transfer to Alcoa Inc., a corporation of the state of Pennsylvania, having a place of business at Pittsburgh, in the County of Allegheny, and State of Pennsylvania, 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. 09/792,728, February 23, 2001, entitled "Method of Converting Hall-Heroult Cells to Inert Anode Cells for Aluminum Production" 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 the Commissioner of Patents and Trademarks to issue to said Assignee, Aluminum Company of America, 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: 011772 FRAME: 0682 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.

LeRoy E. O'Astolfo, Jr.

LeRoy E. O'Astolfo, Jr.

Wore.

Robert C. Moore

State of Pennsylvania))SS.

RECORDED: 04/30/2001

County of Westmoreland

Before me this ______ day of _______, 2001 personally appeared LeRoy E. D'Astolfo, to me personally known to be the person who is described in and who executed the above instrument, and he acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Notary Public

Notarial Seal
Christine J. Graff, Notary Public
Oper Burrell Twp., Westmoreland County
My Commission Expires Mar. 7, 2005

Represent Pennsylvania Association of Notaries

PATENT REEL: 011772 FRAME: 0683