11-16-2000

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J.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

IEET

To the Honorable Commissioner of Patents and Trademarks	Please record the attached original documents or copy thereof.
Name of conveying party(ies):	
	Name and address of receiving party(ies):
Siba P. Ray, Xinghua Liu and Douglas A. Weirauch	
	Alcoa Inc.
3. Nature of conveyance:	Alcoa Corporate Center
■ Assignment □ Merger	201 Isabella Street
☐ Security Agreement ☐ Change of Name	Pittsburgh, PA 15212-5858
Other	Additional mass (a) 0 address (a) attack at 0 (5) Vac = 14
Execution Date: October 20, 2000	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)
" · · · · · · · · · · · · · · · · · · ·	
U.S. Serial No. 09/629,332, filed August 1, 2000	
A 1 May A	
	nbers attached? ☐ Yes ■ No
5. Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: 1
concerning document should be mailed.	7. Total fee (37 CFR 3.41): \$40.00
Name: Edward L. Levine, Esq.	7. Total lee (07 OFR 0.41). \$\psi \psi \psi \text{.00}
Address: A Mark Mark Mark Mark Mark Mark Mark Mark	☐ Enclosed
	Authorized to be charged to deposit account
08840	
	8. Deposit Account No. 01-1000
DO NO	OT USE THIS SPACE
9. Statement and signature.	
oracomon and arguments.	
To the best of my knowledge and belief, the foregoing info original document.	formation is true and correct and any attached copy is a true copy of the
Marlana E. Lacaria Maria	E. Lacasia, Ottober 00 0000
Marlene E. Lacanic Martene Name of Person Signing	Signature October 23, 2000 Date
Hamo of Forcon organing	orginates o
Total n	number of pages including cover sheet, attachments and document: 3

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, **Siba P. Ray, Xinghua Liu** and **Douglas A. Weirauch**, of Murrysville, of Monroeville, and of Murrysville, all in the County of Allegheny and State of Pennsylvania, 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 but not claimed, and any and all improvements which are disclosed but not claimed, in the application for United States Patent, Serial No. 09/629,332, Filed August 1, 2000 entitled "Cermet Inert Anode Containing Oxide and Metal Phases Useful for the Electrolytic Production of Metals" (Atty. Docket No. 99-2380) 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, Alcoa Inc.. 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

PATENT REEL: 011246 FRAME: 0773 applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives.

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.

Fila P Ray
Siba P. Ray
1-1-1:
Xinghua Liu
Hough, a Wenner
Douglas A. Weirauch

State of Pennsylvania)
)SS.
County of Westmoreland)

RECORDED: 11/16/2000

Before me this ______ day of October 2000, personally appeared Siba P. Ray, Xinghua Liu and Douglas A. Weirauch, to me personally known to be the persons who are described in and who executed the above instrument, and they acknowledged to me that they executed the same of their own free will for the purposes therein set forth.

Notary Public

Notarial Seal Janette M. Smith, Notary Public Upper Burrell Twp., Westmoreland County My Commission Expires Feb. 22, 2001

Member, Pennsylvania Association of Notaries