

05-23-2000

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

SHEET

101364680

5-12-00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

1. Richard A. Manzini
2. David H. DeYoung

## 2. Name and address of receiving party(ies):

Alcoa Inc.  
Alcoa Corporate Center  
201 Isabella Street  
Pittsburgh, PA 15212-5858

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 1. May 3, 2000  
2. May 5, 2000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

## A. Patent Application No.(s)

U.S. Serial No. 09/290,597, filed April 13, 1999

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David W. Pearce-Smith, Esq.  
Address: Intellectual Property Law Division  
Alcoa Inc.  
Alcoa Technical Center  
100 Technical Drive  
Alcoa Center, PA 15069-0001

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit Account No. 01-1000

DO NOT USE THIS SPACE

## 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.

Marlene E. Lacanic  
Name of Person Signing

*Marlene E. Lacanic*  
Signature

May 9, 2000  
Date

Total number of pages including cover sheet, attachments and document: 3

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

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**PATENT**

REEL: 010797 FRAME: 0394

## 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, **Richard A. Manzini** and **David H. deYoung**, of Greensburg, and of Export, both in the County of Westmoreland 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 and claimed, and any and all improvements which are disclosed but not claimed, in the application for United States Patent, **Serial No. 09/290,597, Filed April 13, 1999** entitled "**Detecting and Classifying Hard and Soft Inclustions in Liquid Metal**" (Atty. Docket No. 98-0240) 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;

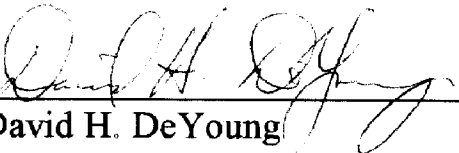
Authorize and request my attorney to insert above the filing date and application number when they become known;

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 applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives.

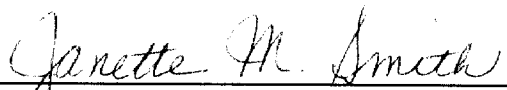
Covenant with said Assignee, its successors, assigns and legal representatives that we have made to others no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed, and that we have full right to convey the same as herein expressed.

  
Richard A. Manzini

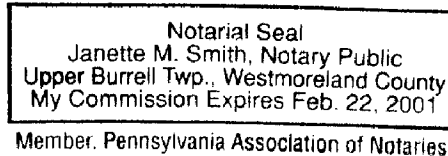
  
David H. DeYoung

State of Pennsylvania )  
 ) SS.  
County of Westmoreland )


Before me this 3rd day of May 2000 personally appeared **Richard A. Manzini**, 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

State of Pennsylvania )  
 ) SS.  
County of Westmoreland )



Before me this 5th day of May 2000 personally appeared **David H. DeYoung**, 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

