

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, **Roberto J. Rioja, Robert W. Westerlund, Anne E. Roberts, Dhruva J. Chakrabarti, Diana K. Deenzer, Anthony Morales, Paul E. Magnusen and Gregory B. Venema**, of Murrysville, in the County of Westmoreland and State of Pennsylvania, of Bettendorf, in the County of Scott, and State of Iowa, of Davenport, in the County of Scott, and State of Iowa, of Export, in the County of Westmoreland and State of Pennsylvania, of Lower Burrell, in the County of Westmoreland and State of Pennsylvania, of Bettendorf, in the County of Scott, of Pittsburgh, in the County of Allegheny and State of Pennsylvania, State of Iowa, and of Bettendorf, in the County of Scott, and State of Iowa, respectively

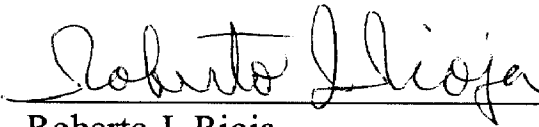
Hereby sell, assign and transfer to Alcoa Inc., a corporation of the state of Pennsylvania, having a place of business at Pittsburgh, in the County of Allegheny, and State of Pennsylvania, its successors, assigns, and legal representatives, our entire right, title and interest, for all countries, in 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. 09/591,904, Filed June 12, 2000** entitled "**Aluminum Sheet Products Having Improved Fatigue Crack Growth Resistance and Methods of Making Same**" (Atty. Docket No. 97-1229) 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;

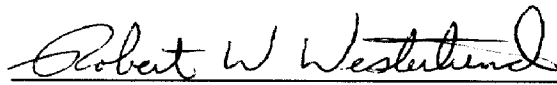
Agree that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, we will, for all countries execute all divisional, continuing, substitute, renewal, reissue, and 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 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.



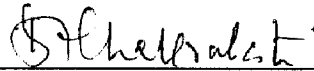
Roberto J. Rioja



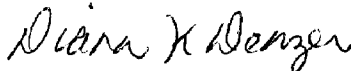
Robert W. Westerlund



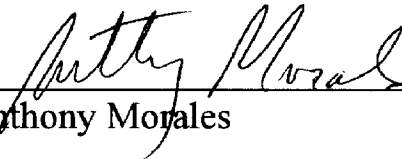
Anne E. Roberts



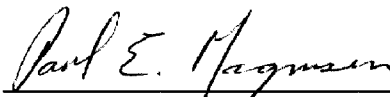
Dhruba J. Chakrabarti



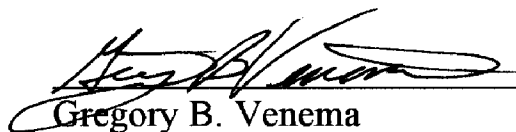
Diana K. Denzer



Anthony Morales



Paul E. Magnusen

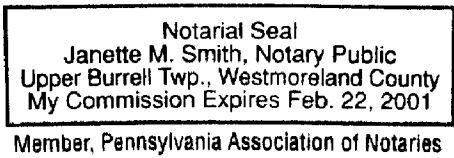


Gregory B. Venema

State of Pennsylvania)
) SS.
County of Westmoreland)

Before me this 12th day of July 2000 personally appeared **Roberto J. Rioja, Dhruba J. Chakrabarti, Diana K. Denzer, and Paul E. Magnusen**, 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.

Janette M. Smith
Notary Public



State of Iowa)
) SS.
County of Scott)

Before me this 18th day of ~~June~~ ^{July} 2000 personally appeared **Robert W. Westerlund, Anne E. Roberts, Anthony Morales, and Gregory B. Venema**, 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.

Nannie L. Shryack July 18th, 2000
Notary Public