

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Daniel Bergstrom</td> <td>02/14/2006</td> </tr> <tr> <td>Jeffrey M. Shoup</td> <td>02/14/2006</td> </tr> <tr> <td>Albert McGuire Hines</td> <td>02/14/2006</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Bergstrom	02/14/2006	Jeffrey M. Shoup	02/14/2006	Albert McGuire Hines	02/14/2006
Name	Execution Date								
Daniel Bergstrom	02/14/2006								
Jeffrey M. Shoup	02/14/2006								
Albert McGuire Hines	02/14/2006								
RECEIVING PARTY DATA									
Name:	Alcoa Inc.								
Street Address:	Alcoa Corporate Center								
Internal Address:	201 Isabella Street								
City:	Pittsburgh								
State/Country:	PENNSYLVANIA								
Postal Code:	15212-5858								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11257705</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11257705				
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CORRESPONDENCE DATA									
Fax Number:	(724)337-5959								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	724-337-4986								
Email:	kimberly.merichko@alcoa.com								
Correspondent Name:	Alcoa Intellectual Property Department								
Address Line 1:	100 Technical Drive								
Address Line 2:	Building C								
Address Line 4:	Alcoa Center, PENNSYLVANIA 15069								
ATTORNEY DOCKET NUMBER:	06-0220								
NAME OF SUBMITTER:	Harry A. Hild, Jr.								

CH \$40.00 11257705

Total Attachments: 3

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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, Daniel Bergstrom, of the city of Sarver, County of Butler, Jeffrey M. Shoup, of the city of Delmont, and Albert McGuire Hines, city of New Alexandria, both of the County of Westmoreland, all of the above 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 Alcoa Corporate Center, 201 Isabella Street, Pittsburgh, Pennsylvania 15212-5858, County of Allegheny, 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 **filed October 25, 2005, U.S. Serial No. 11/257,705**, entitled **“VIRTUAL PROGRAMMING OF FORMED COMPONENT TRAJECTORIES”** (Atty. Docket No. 06-0220) 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.

Daniel Bergstrom 2/14/06
Daniel Bergstrom Date

Jeffrey M. Shoup 2-14-06
Jeffrey M. Shoup Date

Albert M. Hines Feb 14, 2006
Albert McGuire Hines Date

State of Pennsylvania)
)SS.
County of Westmoreland)

Before me this 14th day of February, 2006 personally appeared **Daniel Bergstrom**, 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.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Virgine M. Laible, Notary Public
Upper Burrell Twp., Westmoreland County
My Commission Expires Dec. 17, 2007
Member, Pennsylvania Association Of Notaries

Virgine M Laible
Notary Public

State of Pennsylvania)
)SS.
County of Westmoreland)

Before me this 14th day of February, 2006 personally appeared **Jeffrey M. Shoup**, 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.

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Virgine M Laible
Notary Public

State of Pennsylvania)
)SS.
County of Westmoreland)

Before me this 14th day of February, 2006 personally appeared **Albert McGuire Hines**, 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.

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