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PATENTS ONLY	
<ol> <li>Name of conveying party(les):</li> <li>Israel Stol</li> </ol>	
2. Sherri F. McCleary	<ol><li>Name and address of receiving party(ies):</li></ol>
3. Paula L. Price	Alcoa Inc.
Nature of convoyance:     Assignment     Derger	Alcoa Corporate Center
Assignment I Merger	201 Isabelia Street Pittaburah PA 15010 sasa
Other      Containing of Name     Containing of Name	Pittsburgh, PA 15212-5858 Additional name(s) & address(es) attached? □ Yes ■ No
Execution Date: 1. 09/08/2003 2. 09/02/2003 3. 09/02/2003	
<ol> <li>Application number(s) or patent number(s):</li> </ol>	
A. Patent Application No.(s)	B. Patent No.(s)
U.S. Serial No. 10/652,404, Filed 08/29/2003	
Atty. Docket 023227 [370023-00020]	
Additional numb	bers attached? □ Yes ■ No
<ul> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ul>	6. Total number of applications and patents involved: 1
	7. Total fee (37 CFR 3.41): \$40.00
Name: Gary P. Topolosky, Esq. Address: Eckert Seamans Cherin & Mellott, LLC	
Alcoa Technical Center	
100 Technical Drivo	Authorized to be charged to deposit account
Alcoa Conter, PA 15069-0001	8. Deposit Account No. 02-2556
	(Attach duplicate copy of this page if paying by Deposit Account.)
DO NOT	USE THIS SPACE
Statement and signature.	
To the best of my knowledge and belief, the foregoing inform	nation is true and correct and any attached copy is a true copy of the
original document.	the copy of the
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Susan Cranmer-Jervis 31Mar (M	Unner-Ours
Name of Person Signing	Signature December 29, 2003
	Signature Date
Tabel	nber of pages including cover sheet, attachments and document; 5

## 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, Israel Stol; Sherri F. McCleary; and Paula L. Price; of Pittsburgh, in the County of Allegheny; Apollo, in the County of Westmoreland; New Kensington, in the County of Allegheny; all of the State of Pennsylvania, respectively

Hereby sell, assign and transfer to Alcoa Inc., a corporation of the State of Pennsylvania, its 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. 10/652,404, Filed August 29, 2003, entitled "Method of Combining Welding and Adhesive Bonding for Joining Metal Components" (Atty. Docket No. 02-3227) 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 Assignce, 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 vestiog title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives.

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PATENT REEL: 014219 FRAME: 0189

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.

Israel Stol

Date

01/02/03 Sherri F. McCleary Date

Jaula L. Price 8/2/03

State of Pennsylvania ) )SS. County of Westmoreland

Before me this <u>lth</u> day of <u>September</u>, 2003 personally appeared Israel Stol, 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.

Martere E. Facario

Notary Public

Notarial Seal Marlene E. Lacanic, Notary Public Upper Burrell Twp., Westmoreland County My Commission Expires Oct. 6, 2003

Member, Pennsylvania Association of Notaries

State of Pennsylvania

County of Westmoreland

Before me this <u>2<sup>NO</sup></u> day of <u>September</u>, 2003 personally appeared Sherri F. McCleary, 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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Marlere E. Lacaric Notary Public

Notarial Seal Marlene E. Lacanic, Notary Public Upper Burrell Twp., Westmoreland County My Commission Expires Oct. 6, 2003

State of Pennsylvania )SS. County of Westmoreland

Before me this <u>2<sup>NO</sup></u> day of <u>September</u>, 2003 personally appeared Paula L. Price, 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.

Marlere E. Facaric

Notary Public

Notarial Seal Marlene E. Lacanic, Notary Public Upper Burrell Twp., Westmoreland County My Commission Expires Oct. 6, 2003

Member, Pennsylvania Association of Notaries

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