

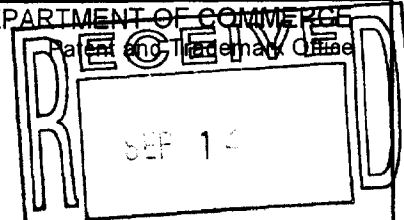
09-23-1998



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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MRD 9-14-98

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

1. Name of conveying party(ies):  S. Craig Bergsma	2. Name and address of receiving party(ies):  Northwest Aluminum 3310 West Second Street The Dalles, OR 97058  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: June 16, 1998	

4. Application number(s) or patent number(s):  A. Patent Application No.(s) 09/104,472, Filed June 25, 1998  B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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5. Name and address of party to whom correspondence concerning document should be mailed:  Andrew Alexander, Esq. Professional Plaza 3058 Leechburg Road P.O. Box 2038 Lower Burrell, PA 15068	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41): \$40.00  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit Account No. 500263 (Attach duplicate copy of this page if paying by deposit account)
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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.

\_\_\_\_\_  
Andrew Alexander  
Name of Person Signing

\_\_\_\_\_  
Signature

\_\_\_\_\_  
September 10, 1998  
Date

Total 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, I, **S. Craig Bergsma**, of The Dalles, in the County of Wasco and State of Oregon,

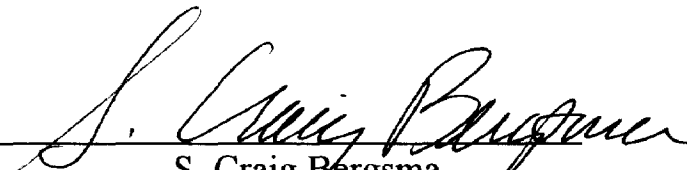
Hereby sell, assign and transfer to **Northwest Aluminum Company**, a corporation of the State of Oregon, having a place of business at The Dalles, in the County of Wasco, and State of Oregon, its successors, assigns, and legal representatives, our entire right, title and interest, for all countries, 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. 09/104,472, Filed June 25, 1998** entitled "**Casting, Thermal Transforming and Semi-Solid Forming Aluminum Alloys**" (Atty. Docket No. 98-52) 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, **Northwest Aluminum Company**, 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;

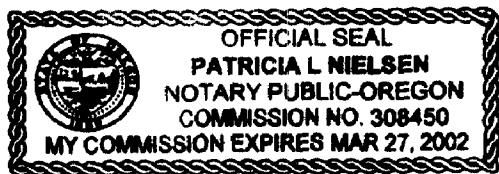
Agree that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, I will, for all countries execute all divisional, continuing, substitute, renewal, reissue, and all 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 me 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 I have made to others no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed, and that I have full right to convey the same as herein expressed.

  
S. Craig Bergsma

State of Oregon            )  
                                      )SS.  
County of Wasco         )

Before me this 16<sup>th</sup> day of June 1998, personally appeared **S. Craig Bergsma**, 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