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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Jean-Christophe Ehrstrom (07/15/2004) and  
Timothy Warner (07/15/2004)

Execution Dates: in parentheses after inventor name

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of Conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: PECHINEY RHENALU

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

7, place du Chancelier Adenauer  
75116 Paris  
FRANCE

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

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

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

This document is being filed together with a new application.

A. Patent Application No.(s)  
10/849,525

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Susan E. Shaw McBee  
CONNOLLY BOVE LODGE & HUTZ LLP

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**6. Total number of applications and patents involved:**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information:**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
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b. Deposit Account Number 22-0185  
Authorized User Name Susan E. Shaw McBee

**9. Signature.**

Susan E. Shaw McBee  
Signature

September 20, 2004  
Date

Susan E. Shaw McBee - 39,294  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

CH \$40.00 220185 10849525

**ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made by Jean-Christophe Ehrstrom and Timothy Warner (hereinafter referred to as Assignors), residing at 5 place des Jacobins, 38130 Echirolles, FRANCE; and 62 rue de Bouvardiere, 38340 Voreppe, FRANCE, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **MANUFACTURING METHOD FOR FRICTION WELDED ALUMINUM ALLOY PARTS**, set forth in a Patent application for Letters Patent of the United States Serial No. 10/849,525, filed May 20, 2004; and

**WHEREAS**, PECHINEY RHENALU, a corporation organized under and pursuant to the laws of FRANCE having its principal place of business at 7, place du Chancelier Adenauer, 75116 Paris, FRANCE (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date July 15, 2004

J. C. Ehrstrom  
Jean-Christophe Ehrstrom

Witness:

Date July 15<sup>th</sup> 2004

Name Robert MACE  
~~Robert MACE~~

Date July 15<sup>th</sup> 2004

T. Warner  
Timothy Warner

Witness:

Date July 15<sup>th</sup> 2004

Name Robert MACE  
Robert MACE