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FORM PTO-1595

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1 document or copy thereof.

1. Name of conveying party(ies):
Yutaka Higo, Keiji Yamazaki and
Takayuki Fujii

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

Showa Aluminum Corporation
224-banchi, Kaizancho 6-cho,
Sakaishi, Osaka, Japan

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: August 25, 1999

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

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
USSN 09/347,643, filed July 6, 1999

B. Patent No.(s)

Additional Numbers attached? Yes No

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

Vasilios D. Dossas
Tilton, Fallon, Lungmus & Chestnut
100 S. Wacker Drive
Suite 960
Chicago, Illinois 60606
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6. Total number of application and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
20-1111

(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.

Vasilios D. Dossas
Name of Person Signing

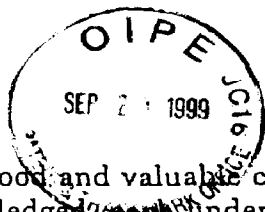
Vasilios Dossas
Signature

9/21/99
Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

PATENT
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Assignment

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

Showa Aluminum Corporation of

224-banchi, Kaizancho 6-cho, Sakaishi, Osaka, Japan (hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention

ACCUMULATOR

as set forth in his United States Patent Application

check one

executed concurrently herewith

executed on _____

Serial No. 09/347, 643 filed July 6, 1999

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of

TILTON, FALLON, LUNG MUS & CHESTNUT

the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

names and signatures of inventors

Yutaka Higo

Name: Yutaka Higo
Date: August 25, 1999

Keiji Yamazaki

Name: Keiji Yamazaki
Date: August 25, 1999

Takayuki Fujii

Name: Takayuki Fujii
Date: August 25, 1999

Name:
Date: