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2 SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101162368

To the Honorable Commissioner of Patents and Trademarks, U.S. Department of Commerce, Washington, D.C. 20540. The attached original documents or copy thereof.

1. Name of conveying party(ies):

Akihiro SATOU
Masakuni EZUMI
Kazusige FUKUYORIMRD
9-24-99

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

Name: Hitachi, Ltd.

Street Address: 6, Kanda Surugadai 4-chome
Chiyoda-ku

City: Tokyo

Country: 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 23, 1999

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

4. Application number(s) or patent number(s): 09/404,651

If this document is being filed together with a new application, the execution date of the application is: August 23, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

Street Address: 1300 North Seventeenth Street
Suite 1800

City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed
☒ Any deficiencies may be charged to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number: 01-2135

(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.

William I. Solomon

Name of Person Signing

Attorney Registration No. 28,565

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

Signature

September 24, 1999
Date

OMB No. 0651-0011 (exp. 4/94)

10/01/1999 WASHINGTON 00000040 09404651 00.00 DP

PATENT
REEL: 010279 FRAME: 0513

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to Hitachi, Ltd.
of 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan
its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

A FRICTION STIR WELDING METHOD

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, ~~Serial No. xxxxxxxxxxxxxxxxxx~~ executed by us even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd.

_____, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said _____
Hitachi, Ltd.

(Full Name)

(Signature)

- 1) Date August 23, 1999 Inventor Akihiro Satou Akihiro Satou
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- 2) Date August 23, 1999 Inventor Masakuni Ezumi Masakuni Ezumi
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- 3) Date August 23, 1999 Inventor Kazusige Fukuyori Kazusige Fukuyori
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- 4) Date _____ Inventor _____
Residence _____ Citizenship _____
Post Office Address _____
- 5) Date _____ Inventor _____
Residence _____ Citizenship _____
Post Office Address _____

Witness(es)

All) Toshiaki Sagawa 2) Hirotsugu Kawanaka 4) _____

1) _____ 3) _____ 5) _____