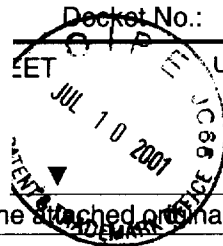


07-17-2001



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

FUJI ELECTRIC CO., LTD. and
SUMITOMO HEAVY INDUSTRIES, LTD.

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: June 15 & June 27, 2001

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

Name: JAPAN NUCLEAR CYCLE
DEVELOPMENT INSTITUTE
Internal Address: _____

Street Address: 4-49 Muramatsu,
Tokai-mura, Naka-gun, Ibaraki-ken
Japan
City: _____ State: _____ ZIP: _____

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

4. Application number(s) or registration numbers(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

U.S. 5,277,543

Additional numbers attached? ☐ Yes ☒ No

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

Name: George A. Loud, Esquire

Internal Address: LORUSSO & LOUD

Street Address: 3137 Mount Vernon Avenue

City: Alexandria State: VA ZIP: 22305

6. Total number of applications and patents involved: 1

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

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number: _____

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.

George A. Loud, Reg. No. 25,814

Name of Person Signing

Signature

July 10, 2001

Date

Total number of pages including cover sheet, attachments, and document: 3

PATENT

REEL: 011967 FRAME: 0383

ASSIGNMENT

WHEREAS, WE,

FUJI ELECTRIC CO., LTD. (hereinafter "FUJI"), a corporation organized under the laws of Japan and having a place of business at 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa-ken, Japan; and

SUMITOMO HEAVY INDUSTRIES, LTD. (hereinafter "SUMITOMO"), a corporation organized under the laws of Japan and having a place of business at 9-11 Kitashinagawa 5-chome, Shinagawa-ku, Tokyo, Japan;

(hereinafter "ASSIGNORS") are each an owner, by assignment, of a one-third ($\frac{1}{3}$) undivided interest in United States Letters Patent No. 5,277,543 for "DEVICE FOR MONITORING ABRASION LOSS OF A THRUST BEARING IN A SUBMERGED MOTOR PUMP";

WHEREAS,

JAPAN NUCLEAR CYCLE DEVELOPMENT INSTITUTE (hereinafter "JAPAN NUCLEAR"), a corporation organized under the laws of Japan and having a place of business at 4-49 Muramatsu, Tokai-mura, Naka-gun, Ibaraki-ken, Japan; and (hereinafter "ASSIGNEE"), is desirous of acquiring said one-third ($\frac{1}{3}$) undivided interests in said Letters Patent.

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, "FUJI" and "SUMITOMO" by these presents do sell, assign and transfer unto said "JAPAN NUCLEAR", its successors, legal representatives, heirs and assigns, their entire right, title and interest in said Letters Patents and to all reissues and extensions of said Letters Patent, to be held and enjoyed by

"JAPAN NUCLEAR," for its use and behoof and for its legal representatives, successors, heirs, and assigns, to the full end of the term for which said Letters Patent is granted and any extensions thereof, as fully and entirely as the same would have been held by "FUJI" and "SUMITOMO" had this assignment and sale not been made; and for the same consideration, "FUJI" and "SUMITOMO" hereby covenant and agree that, at the time of execution and delivery of this instrument, they hold good and full right and lawful authority to sell and convey their respective interests in said Letters Patent above mentioned in the manner herein set forth; and for the same consideration "FUJI" and "SUMITOMO" hereby covenant and agree that they will, whenever counsel of "JAPAN NUCLEAR", or the counsel of its successors, legal representatives, heirs or assigns, shall advise that any proceeding in connection with said Letters Patent in the United States, including interference proceedings, is lawful and desirable, or that any reissue or extension of said Letters Patent is lawful and desirable, 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 said Letters Patent, without charge to "JAPAN NUCLEAR", its successors, legal representatives, heirs and assigns, but at the cost and expense of "FUJI" and "SUMITOMO", their successors, legal representatives, heirs and assigns.

FUJI ELECTRIC CO., LTD.

By: Tetsunosuke Ishibashi

Signature: *T. Ishibashi*

Title: Executive Vice-President

Date: June 27, 2001

SUMITOMO HEAVY INDUSTRIES, LTD.

By: Eiichi Fujita

Signature: *E. Fujita*

Title: Executive Vice-President

Date: June 15, 2001