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Attorney's Docket No. 018773-044

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

See Attached Continuation Page 2

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

3. Nature of conveyance:

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

Execution Date: June 6, 2005

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

Name: MITSUBISHI DENKI KABUSHIKI KAISHA

See Attached Continuation Page 2

Address:

See Attached Continuation Page 2

Additional name(s) & addresses 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)
10/529,870

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Ellen Marcie Emas

Address:

Buchanan Ingersoll PC
 Including attorneys from Burns, Doane, Swicker & Mathis
 Customer Number 2 1 8 3 9
 P.O. Box 1404
 Alexandria, VA 22313-1404

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 540.00 (8021)

- ☐ Enclosed
☒ Authorized to be charged to deposit account
☐ Credit card. Form PTO-2038 is attached.

8. Deposit account number:

02-4800

(Attach duplicate copy of this page if paying by deposit account.)

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.

Ellen Marcie Emas
 Name of Person Signing

32,131
 Reg. No.

Signature

January 12, 2006

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:
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U. S. Patent & Trademark Office
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PATENTS ONLY

CONTINUATION SHEET 2

To the Director of the United States Patent & Trademark Office: Please record the attached original documents or copy thereof.

1. Additional Name(s) of Conveying Party(ies):

Kouji YAMASHITA (04/25/2005)
Tsuyoshi UCHIDA (04/25/2005)
Tatsuya ISHII (05/28/2005)
Kasumi TAKEDA (05/26/2005)
Hideshi OINUMA (05/26/2005)
Kenichiro NAGAI (06/06/2005)

2. Name and Address of Additional Receiving Party(ies):

MITSUBISHI DENKI KABUSHIKI KAISHA

Address: 2-3, Marunouchi 2-chome
Chiyoda-ku
Tokyo 100-8310
JAPAN

JAPAN AEROSPACE EXPLORATION AGENCY

Address: 44-1 Jindaiji-Higashimachi 7-chome
Chofu-shi
Tokyo 182-8522
JAPAN

3. Nature of Conveyance: Assignment

4. Application No.: 10/529,897 filed on April 1, 2005

Attorney Docket No. 018773-044**ASSIGNMENT****(JOINT)**

THIS ASSIGNMENT, by Kouji YAMASHITA, Tsuyoshi UCHIDA, Tatsuya ISHII, Katsumi TAKEDA, Hideshi OINUMA, and Kenichiro NAGAI, all residing at Tokyo, Japan, (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in AIR CONDITIONING EQUIPMENT, FAN EQUIPMENT, METHOD OF REDUCING NOISE OF EQUIPMENT, PRESSURE PULSATION REDUCER FOR REFRIGERATION CYCLE EQUIPMENT, PRESSURE PULSATION REDUCER FOR PUMP EQUIPMENT, AND METHOD OF REDUCING PRESSURE PULSATION OF EQUIPMENT

set forth in an application for Letters Patent of the United States, which is a

- (1) ☐ provisional application
- (a) ☐ bearing Application No. _____, and filed on _____;
- (b) ☐ to be filed herewith; or
- (2) ☒ non-provisional application
- (a) ☒ bearing Application No. _____, and filed on April 1, 2005;
- (b) ☐ having an oath or declaration executed on even date herewith prior to filing of application;
- (c) ☐ having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA and Japan Aerospace Exploration Agency a corporation duly organized under and pursuant to the laws of Japan and having a principal place of business at 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan and 44-1, Jindajji-Higashimachi 7-chome, Chofu-shi, Tokyo 182-8522, Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including

Attorney Docket No. 018773-044

provisional applications, above-mentioned, and that the same are unencumbered, and that the 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, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, 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 Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns,

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P. to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE 4/25/2005Kouji Yamashita
KOUJI YAMASHITADATE 4/25/2005Tsuyoshi Uchida
TSUYOSHI UCHIDADATE 28/May. 2005Tatsuya Ishii
TATSUYA ISHIIDATE 26/May 2005KATSUMI TAKEDA
KATSUMI TAKEDADATE 26/May. 2005Hideshi Oinuma
HIDESHI OINUMADATE 1. June. 2005K. Nagai
KENICHIRO NAGAI