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(s) or copy(ies) thereof.

To the Honorable Commissioner for Patents:

1. Name of Conveying Party(ies):

Hiromitsu Kamishima
Hirotaka Kado
Kenichi Wada

JUL 3 2003

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

2. Name and Address of Party(ies) receiving an interest (assignee(s)):

Name: Sanden Corporation
Address: 20 Kotobuki-cho,
Isesaki-shi,
Country: Gunma 372-8502, JAPAN

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

3. Nature of Conveyance:

Assignment Merger Change of Name
 Verified Translation Security Agreement Other: _____

Execution Date: **May 8, 2003**

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

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

A. Patent Application No(s): 10/436,105 B. Patent No(s): _____

Others on additional sheet(s) attached? Yes No

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

24735

6. Total number of applications and patents involved:
Application(s): 1
+ Patent(s): 0
= Total: 1

7. Total Fee (37 C.F.R. § 3.41) \$ 40.00
 Enclosed
 Authorized to be charged to Deposit Account

8. Deposit Account No.: 02-0375
(Duplicate copy of this sheet attached)
 Charge any underpayment or credit any overpayment to above 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.

Timothy J. Churna
Name of Person Signing

July 30, 2003
Date

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

4

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to each of HIROMITSU KAMISHIMA, HIROTAKA KADO and KENICHI WADA, subjects of Japan, by Sanden Corporation, a corporation organized under the laws of Japan, located at 20 Kotobuki-Cho, Isesaki-Shi, Gunma 372-8502, Japan, receipt of which is hereby acknowledged, we, the said HIROMITSU KAMISHIMA, HIROTAKA KADO and KENICHI WADA, hereby sell, transfer, and assign to Sanden Corporation, and their successors and assigns, all our right, title, and interest in and for the United States of America, in and to the invention of a HEAT EXCHANGER

invented by us and described in the application for United States Letters Patent executed on May 8, 2003, filed on May 13, 2003, and accorded Application Serial No. 10/436,105, and all United States Letters Patent which may be granted for said application, and all divisional, continuation, substitute, renewal, or reissue applications and all extensions thereof, the said right, title, and interest being the entire ownership of said Letters Patent when granted to be held and enjoyed by said Sanden Corporation, their successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND we hereby authorize and request our attorneys, Baker & Botts, L.L.P., of The Warner, 1299 Pennsylvania Avenue N.W., Washington, D.C. 20004-2400, to insert above, the filing date and application number of said application when known.

AND we hereby agree to sign and execute any further documents and instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation or prosecution of any divisional, continuation, substitute, renewal, or reissue application or in any amendments, extensions, or interference proceedings, or otherwise to secure the title thereto to said assignee.

AND we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent when granted to said Sanden Corporation.

Signed on the dates indicated below.

Date: May 8, 2003 Hiromitsu Kamishima
(First Inventor's Name) HIROMITSU KAMISHIMA

WITNESSES:

Minoru Yoshizumi
Tadashi Kohmura

Date: May 8, 2003 Hirotaka Kado
(Second Inventor's Name) HIROTAKA KADO

WITNESSES:

Minoru Yoshizumi
Tadashi Kohmura

Date: May 8, 2003

Kenichi Wada

(Third Inventor's Name) KENICHI WADA

WITNESSES:

Minoru Yoshizumi

Tadashi Koshimizu