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PATENTS ONLY

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

1. Name of conveying party(ies):
 Takashi KAIMAI
 Hitoshi TAKAHASHI
 Masato NAMIKI
 Goro YAMAMOTO

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

2. Name and address of receiving party(ies):
 ASAHI DENKA KOGYO K.K.
 2-35, Higashiogu 7-chome, Arakawa-ku, Tokyo 116-8553 Japan

JAPAN ENERGY CORPORATION
 10-1, Toranomom 2-chome, Minato-ku, Tokyo 105-8407 Japan

MAEKAWA MFG. CO. LTD.
 13-1, Botan 2-chome, Koto-ku, Tokyo 135-8482 Japan

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

3. Nature of conveyance:
 Assignment Merger
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 Other

Execution Date: March 11, March 11, April 1, and April 1, 2002

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: March 11, March 11, April 1, and April 1, 2002
 A. Patent Application No.(s) 10/169168

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 SUGHRUE MION, PLLC
 2100 Pennsylvania Avenue, N.W.
 Suite 800
 Washington, D.C. 20037-3213

6. Total number of applications and patents involved:
 1

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

Robert J. Seas, Jr. Reg. No. 21,092 June 28, 2002 Date

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Box Assignment

Washington, D.C. 20231

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Takashi KAIMAI, Hitoshi TAKAHASHI, Masato NAMIKI and Goro YAMAMOTO

hereby sells, assigns and transfers to

ASAHI DENKA KOGYO K. K. of 2-35, Higashiogu 7-chome, Arakawa-ku, Tokyo 116-8553 Japan; JAPAN ENERGY CORPORATION of 10-1, Toranomon 2-chome, Minato-ku, Tokyo 105-8407 Japan; and MAEKAWA MFG. CO. LTD. of 13-1, Botan 2-chome, Koto-ku, Tokyo 135-8482 Japan

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

(i) the application for United States Letters Patent entitled AMMONIA REFRIGERATING UNIT

which was executed by the undersigned on January 11, 2001 and accorded Serial No. PCT/JP 01/00092 (hereinafter called the Application)

- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S):	DATE
<u>(Takashi KAIMAI) Takashi Kaimai</u>	<u>March 11, 2002</u>
<u>(Hitoshi TAKAHASHI) Hitoshi Takahashi</u>	<u>March 11, 2002</u>
<u>(Masato NAMIKI) Masato Namiki</u>	<u>April 1, 2002</u>
<u>(Goro YAMAMOTO) Goro Yamamoto</u>	<u>April 1, 2002</u>