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d original documents or copy thereof.

To the Director, U.S. Patent and Trademark Office



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1. Name of conveying parties: 1. Kenji Watanabe 2. Tomonari Ito 3. Tomohiro Ogawa Additional name(s) of conveying party(ies) attached? () Yes (X) No		address of receiving party(ies): Name: The Tokyo Electric Power Company, Incorporated Street Address: 1-3, Uchisaiwai-cho 1-chome, Chiyoda-Ku City: Tokyo Country: Japan Additional name(s) of receiving party(ies) attached? () Yes (X) No	
3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name () Other: Execution Date: 1. September 1, 2004 2. September 1, 2004 3. September 1, 2004		4. US or PCT Application number(s) or US Patent number(s): (X) Application(s) filed herewith Additional numbers attached? () Yes (X) No	
5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Return Fax: (949) 760-9502 Attorney's Docket No.: SHIGA9.001APC		6. Total number of applications and patents involved: 1	
7. Total fee (37 CFR 1.21(h)): \$40 (X) Enclosed		8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this 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. <div style="display: flex; justify-content: space-between;"><div><u>Eric M. Nelson</u> Name of Person Signing <u>43,829</u> Registration No.</div><div> Signature</div><div><u>Oct. 4, 2004</u> Date</div></div> <div style="text-align: center;">Total number of pages including cover sheet, attachments and document: 2</div>			

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PATENT
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SHIGA9.001APC
PATENT

ASSIGNMENT

WHEREAS, I/WE (1) Kenji WATANABE,
a Japanese citizen, residing at Yokohama-shi, Japan

(2) Tomonari ITO,
a Japanese citizen, residing at Chiba-shi, Japan

(3) Tomohiro OGAWA,
a Japanese citizen, residing at Kawasaki-shi, Japan

(4) _____,
a _____ citizen, residing at _____

(5) _____,
a _____ citizen, residing at _____

(6) _____,
a _____ citizen, residing at _____

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in HEAT PUMP USING GAS HYDRATE, AND HEAT UTILIZING APPARATUS, the specification of which:

- (a) ☐ was executed on even date herewith;
- (b) ☐ was filed on _____ as ☐ Application No. 0 / _____ or ☐ Express Mail No., as Application No. not yet known _____ and was amended on _____ (if applicable); or
- (c) ☒ was described and claimed in PCT International Application No. PCT/JP03/15804 filed on December 10, 2003 and as amended under PCT Article 19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, The Tokyo Electric Power Company, Incorporated, with its principal place of business at 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo, Japan, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 1st day of September, 2004.

Kenji Watanabe
Signature of Kenji WATANABE

This 1st day of September, 2004.

Tomonari Ito
Signature of Tomonari ITO

This 1st day of September, 2004.

Tomohiro Ogawa
Signature of Tomohiro OGAWA

Witnessed by:

Soichi Koga

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