| 4 | Form P OMB Nc | U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Offic | |
|--------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|
| 10.260 | 103334100 PAIENTS | SONLY 11/587677 | |
| | To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. | | |
| | 1. Name of conveying party(ies): Tomohiro YABU (6/1/2005) and Shuji IKEGAMI (6/1/2005) | 2. Name and address of receiving party(ies) Name: | |
| | Additional name(s) of conveying party(ies) attached? Yes X No | Internal Address: | |
| | 3. Nature of conveyance/Execution Date(s): | Umeda Center Bldg. 4-12, Nakazaki-nishi 2-chome, Kita-ku | |
| | Execution Date(s): in parentheses after inventor name X Assignment Merger Change of Name | Osaka-shi, Osaka 530-8323 JAPAN | |
| | Security Agreement | City: | |
| | Government Interest Assignment | State: | |
| | Confirmatory License | Country: Zip: Additional name(s) & address(es) Yes X No | |
| | 4. Application or patent number(s): | This document is being filed together with a new application. B. Patent No.(s) | |
| | Additional numbers attached | | |
| | 5. Name and address to whom correspondence concerning document should be mailed: | 6. Total number of applications and 1 | |
| | Name: D. Richard Anderson BIRCH, STEWART, KOLASCH & BIRCH, LLP | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 | |
| | Internal Address: Atty. Dkt.: 4633-0190PUS1 | Authorized to be charged by credit card | |
| | Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747 | Authorized to be charged to deposit account | |
| | | None required (government interest not affecting title) | |
| | City: Falls Church | 8. Payment Information | |
| | State: VA Zip: 22040-0747 Phone Number: (703) 205-8035 | a. Credit Card Last 4 Numbers Expiration Date | |
| | Fax Number:(703) 205-8050 | b. Deposit Account Number | |
| | Email Address: mairoom@bskb.com | Authorized User Name | |
| | 9. Signature: | October 26, 2006 | |
| | Signature | Date | |
| | | | |

Birch, Stewart, Kolasch & Birch, LLP

DRA/sll

PATENT REEL: 018503 FRAME: 0740

Attorney Docket No. 4633-0190PUS1

ASSIGNMENT

WHEREAS, <u>Tomohiro YABU, Shuji IKEGAMI</u> ADSORPTION HEAT EXCHANGER

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

_ for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on <u>October 26, 2006</u> having Serial No. <u>NEW</u>; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, ______Of <u>Umeda Center Bldg., 4-12, Nakazaki-nishi 2-chome, Kita-ku, Osaka-shi, Osaka 530-8323, Japan</u> its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

PATENT REEL: 018503 FRAME: 0741 The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

| Date: | Jun 1, 2005, | Tomohiro Yabu Tomohiro YABU |
|-------|--------------|--------------------------------|
| Date: | June 1, 2005 | Shuji IKEGAMI Shuji IKEGAMI |
| Date: | , | |
| Date: | ,, | |
| Date: | , | |
| Date: | | |
| Date: | , | |
| Date: | | |

PATENT REEL: 018503 FRAME: 0742

RECORDED: 10/26/2006