

11-22-2002



HEET

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

1. Name of conveying party(ies): MRD
11-15-02
Fukuo Hashimoto
Rao-Sheng Zhou
Mircea Gradu
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: The Timken Company
Internal Address: _____
Street Address: 1835 Dueber Avenue S.W.
City: Canton State: Ohio Zip: 44706-0930
Additional names(s) & addresses(es) attached? Yes No



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: 11/14/2002

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: 11/15/02, 11/14/02 & 11/14/02 respectively
A. Patent Application No.(s) _____ B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence should be mailed:
Name: Polster, Lieder, Woodruff & Lucchesi, L.C.
Internal Address: Suite 230
Street Address: 763 South New Ballas Road
City: St. Louis State: MO Zip: 63141

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account in case of any deficiency. 40E
8. Deposit account number: 162201
(Attach duplicate copy of this page if paying by 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.
Mark E. Books Mark E. Books 11/15/02
Name of person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 3

Express Mail No.: EL 791402385 US

ASSIGNMENT

WHEREAS, We, **Fukuo Hashimoto, Rao-Sheng Zhou, and Mircea Gradu** citizens of Japan, the United States of America, and the United States of America, respectively, each residents of the State of Ohio, whose post office addresses are 1325 Westview Circle SE, North Canton, Ohio 44720, 6853 Militia Hill NW, Canton, Ohio 44718, and 1109 Greensview Drive, Wooster, Ohio 44691, respectively, have invented certain improvements in **AXIAL FLUX MOTOR ASSEMBLY** for which we are about to make, and have this day executed, application for Letters Patent of the United States, identified as Attorney's Docket No.: **TIMK 8321 (C1) US**;

AND, WHEREAS, The Timken Company, an Ohio Corporation, with offices at 1835 Dueber Avenue S.W., Canton, Ohio 44706-0930, is desirous of acquiring the entire right, title and interest in and to said improvements in **AXIAL FLUX MOTOR ASSEMBLY** and all patent rights therefor;

NOW, THEREFORE, in consideration of One Hundred Dollars (\$100.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, said **Fukuo Hashimoto, Rao-Sheng Zhou, and Mircea Gradu** do hereby sell, assign, transfer and set over unto said The Timken Company the entire right, title and interest in and to said improvements, and in and to all Letters Patent and patent rights which may be granted or issued for said improvements, in the United States and all foreign countries, and any reissue, reexamination, continuation, continuation-in-part, division, or extension thereof, the same to be held and enjoyed by said The Timken Company, a corporation, its successors and assigns, 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 agree to execute such further applications, powers of attorney, assignments and other documents as may be necessary or desirable to effectuate this Agreement.

AND WE DO HEREBY authorize and request the Commissioner of Patents and Trademarks to issue that said Letters Patent, when granted, to the said The Timken Company, a corporation, its successors and assigns, as assignees of the entire right, title and interest in and to said improvements, for the sole use and behoof of said The Timken Company, a corporation, and for its successors and assigns, to the full ends of the terms for which Letters Patent may be granted.

AND we further grant to The Timken Company, a corporation, its successors and assigns, the right to claim for any application for patent for said improvements the full benefit of any international agreement between the United States and any foreign country or countries.

Date: 11/14/2002

Fukuo Hashimoto
Fukuo Hashimoto, Inventor

Date: 11/14/2002

Rao-Sheng Zhou
Rao-Sheng Zhou, Inventor

Date: 11/14/2002

Mircea Gradu
Mircea Gradu, Inventor