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Date: 7/17/03

Name: Carol Felenskin

Signature: [Handwritten Signature]  
Schulte Roth & Zabel LLP

Docket No. 57517-14

Commissioner of Patents  
Box Assignment  
Washington, D.C. 20231

Please record the attached original document(s) or copy(ies) thereof:

**Conveying party(ies):**  
(name) (Exec. date)  
Hirofumi Kariya 4/24/03  
Hiroki Yamshita 4/24/03

**Receiving party:**  
Minebea Co., Inc.  
4106-73 Oaza Miyota, Miyota-machi  
Kitasaku-gun  
Nagano 389-0293 Japan

**Conveyance Type:**  
 Assignment       Security Agreement  
 License             Change of Name  
 Merger               Other \_\_\_\_\_

**Submission Type:**  
 New  
 Resubmission: Doc. ID# \_\_\_\_\_  
 Correction of PTO error      Reel \_\_\_\_\_  
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**Application or Patent Number(s):**

Enter either Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for same property)

**Patent Application Number(s)**

**Patent Number(s)**

10/389,104

If this document is being filed with a new application, The application was signed by the first named executing inventor on: \_\_\_\_\_

**Correspondence Address:**

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SCHULTE ROTH & ZABEL LLP  
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**Number of Properties:**

Total number of properties involved: 1

**Fee:**

Total fee under 37 CFR 1.21(h) (\$40/per) \$40.00

- Enclosed
- Authorized to charge to Deposit Account Number: 50-0675. A duplicate copy of this cover sheet is attached.
- Please apply any additional fee or any credits to Deposit Account 50-0675.

**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.

Anna Vishev, Reg. No. 45,018

Anna Vishev      7.17 2003  
Signature                                  Date

CH \$40.00 500675 10389104

**ASSIGNMENT**

WHEREAS, Hirofumi Kariya, a citizen of Japan, having a mailing address at c/o Minebea Co., Ltd., 4106-73 Miyota, Oaza, Miyota-Machi, Kitasaku-Gun, Nagano-Ken, 389-0293 Japan; and Hiroki Yamashita, a citizen of Japan, having a mailing address at c/o Minebea Co., Ltd., 4106-73 Miyota, Oaza, Miyota-Machi, Kitasaku-Gun, Nagano-Ken, 389-0293 Japan (hereinafter "the Assignors"), have invented certain new and useful improvements in THIN-FORM CENTRIFUGAL FAN, and

WHEREAS Minebea Co., Ltd., having a principal place of business at 4106-73 Miyota, Oaza, Miyota-Machi, Kitasaku-Gun, Nagano-Ken 389-0293 Japan (hereinafter "the Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention described therein, and each and every patent that can be issued on said application and on said invention in the United States of America and in its territories and possessions, and in all countries foreign to the United States of America;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor(s) has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer, unto the Assignee his full and exclusive right, title and interest in and to the aforesaid application, the aforesaid invention, and each and every patent that may be issued on the aforesaid invention and application in the United States of America, and in its territories and possessions and also in all countries foreign to the United States of America, the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use

and benefit of its successors, assigns or other legal representatives to the end of the term or terms for which a patent or patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

Assignor(s) hereby authorized and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent on the aforesaid invention or resulting from the aforesaid application directly to the Assignee.

Assignor(s) hereby authorizes the Assignee and its successors to apply for a patent or patents directly in its own name upon the aforesaid invention wherever the same is permitted by law, and also assign, sell, transfer and set over unto the Assignee and its successors all priority rights under the aforesaid application.

Assignor(s) further covenants to execute all additional instruments and to do all things necessary to carry out the purpose of this instrument, at the expense of the Assignee and its successors.

IN TESTIMONY WHEREOF, we have executed this document on the dates indicated below.

Date: April 24, 2003

Hirofumi Kariya  
Hirofumi Kariya

Date: April 24, 2003

Hiroki Yamashita  
Hiroki Yamashita