

01-07-2005



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PTO ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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1. Name of conveying party(ies)/Execution Date(s):

Scott FRANKEL
Eric HARDT
Nigel STRIKE

Execution Date(s) December 20, 2004

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

2. Name and address of receiving party(ies)

Name: MINEBEA CO., LTD.

Internal Address: _____

Street Address: Arco Tower, 19th Floor,

1-8-1, Shimo-Meguro, Meguro-Ku

City: Tokyo 153-8662

State: _____

Country: JAPAN

Zip: _____

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: PILLSBURY WINTHROP LLP

Internal Address: 725 South Figueroa Street

Suite 2800

Street Address: 725 South Figueroa Street, Suite 2800

City: Los Angeles

State: CA Zip: 90017-5406

Phone Number: (213) 488-7100

Fax Number: (213) 629-1033

Email Address: mkendrick@pillsburywinthrop.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

63581-312439

Credit Card

Last 4 Numbers _____

Expiration Date _____

Deposit Account Number _____

Authorized User Name _____

9. Signature:

Mark R. Kendrick
Signature

December 23, 2004

Date

01/06/2005 MSETACHE 00000174 11021385

01 FC:0021

Mark R. Kendrick, Reg. No. 48468

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Please return signed/recorded to:
Pillsbury Winthrop LLP
Intellectual Property Group
725 So. Figueroa Street
Suite 2800
Los Angeles, CA 90017-5406

Atty. Dkt. 63581-312439	
M#	Client Ref.

ASSIGNMENT
of U.S. Origin Patent Application
(to Corporation)
(or Limited Partnership)

WHEREAS, the undersigned, to wit:

Scott FRANKEL; Eric HARDT; and Nigel STRIKE

(hereinafter ASSIGNORS), have made an invention known as Dkt. PW 63581-312439
and entitled: ***MICROCONTROLLER METHODS OF IMPROVING RELIABILITY IN DC BRUSHLESS
MOTORS AND COOLING FANS***

for which an application for Letters Patent of the United States

was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;
 was filed on _____, Appln. No. _____;

AND WHEREAS **MINEBEA CO., LTD.** (hereinafter ASSIGNEE), a corporation duly organized and existing under the laws of the State of **Japan** and having its principal office and place of business at ARCO Tower, 19th Floor, 1-8-1, Shimo-Meguro, Meguro-Ku, Tokyo 153-8662, JAPAN, desires to acquire an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS, do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled ***MICROCONTROLLER METHODS OF IMPROVING RELIABILITY IN DC BRUSHLESS MOTORS AND COOLING FANS*** and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said ASSIGNEE may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said ASSIGNEE, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications,

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reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said ASSIGNEE, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said ASSIGNEE, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said ASSIGNEE, its successors, assigns, and legal representatives; and

covenant with said ASSIGNEE, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

NOTE: The undersigned hereby authorize **Pillsbury Winthrop LLP** of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

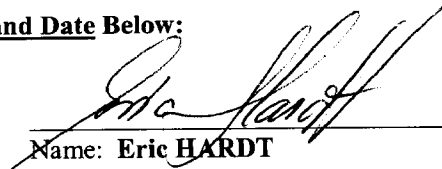
Each Inventor: Please Sign and Date Below:

DEC 20, 2004 
Date Name: **Scott FRANKEL**

Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

Dec 20, 2004
Date

Each Inventor: Please Sign and Date Below:

12-20, 2004 
Date Name: **Eric HARDT**

Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

Dec 20, 2004
Date

Each Inventor: Please Sign and Date Below:

12/20, 2004 N.D. Strike
Date Name: Nigel STRIKE

Inventor: Please also list the date that you signed the accompanying
**DECLARATION AND
POWER OF ATTORNEY:**

12/20, 2004
Date