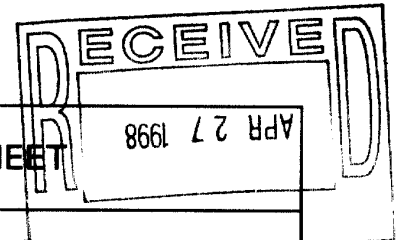


NRD
4-27-98

05-07-1998



100706283



PATENTS RECORDATION COVER SHEET

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

1. Name of conveying party(ies):

Shinji KOBAYASHI
c/o Murata Manufacturing Co.,
Ltd., 26-10, Tenjin 2-chome,
Nagaokakyo-shi, Kyoto-fu, Japan

Individual

Additional names(s) of conveying party(ies) attached? NO

2. Name and Address of receiving party(ies):

Murata Manufacturing Co.,
Ltd., 26-10, Tenjin 2-chome,
Nagaokakyo-shi, Kyoto-fu,
Japan

A Japanese Corporation

Additional name(s) & address(es) attached? NO

3. Nature of conveyance:

Assignment

Execution Date: April 13, 1998

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:

A. Application No.(s)

08/937,961

B. Patent No.(s)

Additional numbers attached? NO

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

OSTROLENK, FABER, GERB & SOFFEN, LLP
1180 Avenue of the Americas
New York, New York 10036-8403

6. Total number of documents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed as part of Check No. 75353

In the event the actual fee is greater than the payment sub-
mitted or is inadvertently not enclosed or if any additional fee
due is not paid, the Patent and Trademark Office is authorized
to charge the underpayment to Deposit Account No. 15-0700.

DO NOT USE THIS SPACE

05/06/1998 JSMDRAZZ 00000138 00937961

01 FC:501

40.00 00

8. 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.

Martin Pfeffer

Name of Person Signing

Signature

April 23, 1998

Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT APPLICATION ASSIGNMENT -
SOLE AND JOINT INVENTORS

OFGS FILE NO. P/1071-408

WHEREAS, I, Shinji KOBAYASHI as assignor, have invented certain improvements in ANGULAR-VELOCITY DETECTION for which an application for United States Letters Patent has been executed by me of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd. having an office address at 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu, Japan, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, as assignor, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date:

April 13, 1998Shinji Kobayashi

Shinji KOBAYASHI

STATE OF)

) ss.:

COUNTY OF)

This ____ day of _____, 19____, before me personally came the above-named _____, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him of his own free will for the purposes therein set forth.

Notary Public - Seal

MISC218662