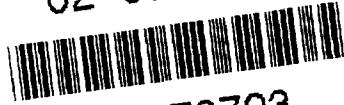


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VER SHEET

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

1. Name of conveying party(ies):

Jun TABOTA

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 617 8555
Japan

Corporation-Japan

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

3. Nature of conveyance:

Assignment

Execution Date: December 7, 2001

4. Application number(s) or patent number(s): 09/957,105, filed September 20, 2001

If this document is being filed together with a new application, the execution date of the application is:

A. Application No.(s)

09/957,105

B. Patent No.(s)

JAN 22 2002

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

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In the event the actual fee is greater than the payment submitted 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.

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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

December 13, 2001

Date

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

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PATENT
REEL: 012537 FRAME: 0478

WHEREAS, I, Jun TABOTA, as assignor, have invented certain improvements in ACCELERATION SENSOR for which an application for United States Letters Patent has been filed on September 20, 2001 and assigned U.S. Serial No. 09/957,105; and

WHEREAS, Murata Manufacturing Co., Ltd., a Japanese Corporation having a place of business at 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan, as assignee, are desirous of acquiring respective half interests in the entire 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, we, as assignors, hereby sell, assign and set over to each of said assignees an undivided half interest in 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 assignees herein, as joint assignee of the entire interest therein; and the undersigned for ourselves and our 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 assignees or their assigns, to communicate to said assignees or their 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 assignees, their 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 assignees.

Date: December 7, 2001

Jun Tabota
Jun TABOTA

LEGALIZATION RECOMMENDED