

A/D581-40

09/367312
511 Rec'd PCT/PTO 11 AUG 1999

FORM PTO-1595
(Rev. 6-93)

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101160197

Attorney Docket No.: 040894-5457

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

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):
1. Tadao MATSUNAGA
 2. Takashi KUNIMI
 3. Masahiro NEZU
 4. Masatomo MORI
 5. Masayoshi ESASHI

Name and address of receiving party(ies):

1. AKEBONO BRAKE INDUSTRY CO., LTD.
2. MASAYOSHI ESASHI

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

Internal Address:

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other _____

Street Address: 1. 19-5, Nihonbashi Koami-cho, Chuo-ku, Tokyo Japan
2. 1-11-9, Yagiyama-minami, Taihaku-ku, Sendai-shi, Miyagi, Japan

Execution Date: May 26, 1999

City: _____
State: _____ Zip: _____

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

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:
May 26, 1999

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached: Yes No

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

6. Total number of applications and patents involved: 1

Name: Mr. J. Michael Thesz
Customer Number 009629
Internal Address: Morgan, Lewis & Bockius LLP
Street Address: 1800 M Street, N.W.
City: Washington State: D.C. Zip: 20036

7. Total fee (37 C.F.R §3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310
Attach duplicate of page if paying by deposit account

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.

J. Michael Thesz
Name of Person Signing

[Handwritten Signature]
Signature

August 11, 1999
Date

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

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

SEMICONDUCTOR ACCELERATION SENSOR, AND ITS SELF-DIAGNOSING METHOD

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on May 26, 1999; or filed an application for United States Letters Patent on _____, (Serial No. _____); and

WHEREAS, 1. AKEBONO BRAKE INDUSTRY CO., LTD.
2. Masayoshi Esashi

a corporation of Japan, whose post office address is ¹⁾ 19-5, Nihonbashi, Koami-cho, Chuo-ku, Tokyo, Japan ²⁾ 1-11-9, Yagiyama-minami, Taihaku-ku, Sendai-shi, Miyagi, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

1. Full Name of Sole of First Assignor Tadao Matsunaga	Assignor's Signature <i>Tadao Matsunaga</i>	Date May 26, 1999
Address Tokyo, Japan		Citizenship Japan
2. Full Name of Second Assignor Takashi Kunimi	Assignor's Signature <i>Takashi Kunimi</i>	Date May 26, 1999
Address Tokyo, Japan		Citizenship Japan

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Continued From First Page of Assignment		Attorney Docket No.:
3. Full Name of Third Assignor Masahiro Nezu	Assignor's Signature <i>Masahiro Nezu</i>	Date May 26, 1999
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4. Full Name of Fourth Assignor Masatomo Mori	Assignor's Signature <i>Masatomo Mori</i>	Date May 26, 1999
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5. Full Name of Fifth Assignor Masayoshi Esashi	Assignor's Signature <i>Masayoshi Esashi</i>	Date May 26, 1999
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6. Full Name of Sixth Assignor	Assignor's Signature	Date
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7. Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
8. Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
9. Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
10. Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
11. Full Name of Eleventh Assignor	Assignor's Signature	Date
Address		Citizenship

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