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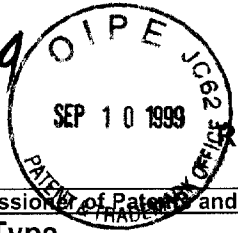
FORM PTO-1619A
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OMB 0651-0027

09-17-1999

U.S. Department of Commerce
Patent and Trademark Office
PATENT



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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- New
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Conveyance Type

- Assignment Security Agreement
 - License Change of Name
 - Merger Other
- U.S. Government**
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- Departmental File Secret File

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- Name (line 1) Execution Date
Month Day Year
- Name (line 2)

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Month Day Year
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If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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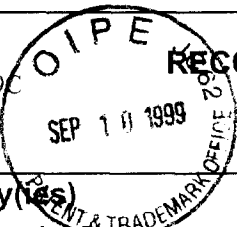
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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

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Enter additional Conveying Parties

Execution Date
Month Day Year

Name (line 1) **Kuniharu Nakamaru**

09/01/99

Name (line 2)

Execution Date
Month Day Year

Name (line 1) **Minoru Ishihara**

09/01/99

Name (line 2)

Execution Date
Month Day Year

Name (line 1) **Kozo Ono**

09/01/99

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

State/Country

Zip Code

Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

State/Country

Zip Code

Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

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

Patent Application Number(s)

Patent Number(s)



Correspondent Name and Address Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s) Mark if additional numbers attached

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

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)
Enter PCT application number PCT PCT
only if a U.S. Application Number PCT PCT
has not been assigned.

Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

John C. Garces

September 10, 1999

Name of Person Signing

Signature

Date

A S S I G N M E N T

WHEREAS, Junichi Yukawa, a citizen of Japan, residing at 11-10, Kitayamato 5-chome, Ikoma-shi, Nara, Japan, Jiro Terada, a citizen of Japan, residing at 24-59, Muranohon-machi, Hirakata-shi, Osaka, Japan, Kuniharu Nakamaru, a citizen of Japan, residing at 14-7, Kashiwa-cho 2-chome, Tachikawa-shi, Tokyo, Japan, Minoru Ishihara, a citizen of Japan, residing at 17-33, Matoba 1-chome, Kawagoe-shi, Saitama, Japan and Kozo Ono, a citizen of Japan, residing at 9-89, Kuboyama-cho 1-chome, Hachioji-shi, Tokyo, Japan (hereinafter "the Assignors"), have invented certain new and useful improvements in an ANGULAR VELOCITY SENSOR AND PROCESS FOR MANUFACTURING THE SAME, for which an application for United States Letters Patent was filed on April 27, 1999 with the United States Patent and Trademark Office and granted Application Serial No. 09/300,009, and

WHEREAS Matsushita Electric Industrial Co., Ltd., having a principal place of business at 1006 Kadoma, Kadoma-shi, Osaka, Japan and Nihon Denpa Kogyo Co., Ltd. having a principal place of business at 21-2, Nishihara 1-chome, Shibuya-ku, Tokyo, Japan (hereinafter "the Assignees"), are desirous of jointly acquiring, each with a half interest, 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 Assignors have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the Assignees their 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 Assignees for their 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.

Assignors hereby authorize and request 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 Assignees.

Assignors hereby authorize the Assignees and their 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 Assignees and their successors all priority rights under the aforesaid application.

Assignors 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 Assignees and their successors.

IN TESTIMONY WHEREOF, we have executed this document on the date(s) indicated below.

Date: September 1, 1999

Junichi Yukawa
Junichi Yukawa

Date: September 1, 1999

Jiro Terada
Jiro Terada

Date: September 1, 1999

Kuniharu Nakamaru
Kuniharu Nakamaru

Date: September 1, 1999

Minoru Ishihara
Minoru Ishihara

Date: September 1, 1999

Minoru Ishihara M.O^{1/9/99}
Kozo Ono