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Attorney Docket No. 119702

15535 U.S. PTO
10/845196

5.14.04

Please record the attached original document or copy thereof.

1. A. Name of conveying parties:
1. Kentaro MIZUNO
2. Kouji TSUKADA
3. Yoshiteru OMURA
4. Shoji HASHIMOTO
5. Jiro SAKATA
B. Additional name(s) of conveying party(ies) attached?
 Yes No

2. A. Name and address of receiving party:
KABUSHIKI KAISHA TOYOTA CHUO
KENKYUSHO
41-1, AZA YOKOMICHI, OAZA NAGAKUTE,
NAGAKUTE-CHO, AICHI-GUN, AICHI-KEN
480-1192 JAPAN
B. Additional name(s) & address(es) attached?
 Yes No

3. A. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
B. Execution Date: 1. April 13, 2004; 2 & 5. April 14, 2004; 3&4. April 15, 2004

4. A. If this document is being filed together with a new application, the execution date of the application is: 1. April 13, 2004; 2 & 5. April 14, 2004; 3&4. April 15, 2004
B. Patent Application No.(s) 10845196
C. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: James A. Oliff
Address: OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved: 1
7. A. Total fee (37 CFR 3.41).....\$ 40.00
B. Enclosed (Check No. 154092)
8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.

James A. Oliff Registration No. 27,075
Joel S. Armstrong Registration No. 36,430
Date: May 14, 2004

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

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ASSIGNMENT FOR US PATENT APPLICATION

WHEREAS, the undersigned inventors, Kentaro MIZUNO of Nisshin-shi, Aichi-ken, Japan, Kouji TSUKADA of Seto-shi, Aichi-ken, Japan, Yoshiteru OMURA of Seto-shi, Aichi-ken, Japan, Shoji HASHIMOTO of Seto-shi, Aichi-ken, Japan and Jiro SAKATA of Nagoya-shi, Aichi-ken, Japan (hereinafter referred to as "the Assignors"), have invented certain new and useful improvements in "PRESSURE SENSOR" for which a US patent application will be filed and the serial number and filing date will be entered below by the Assignors or its designate, when that information becomes available; and

WHEREAS, KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO, a corporation duly organized under and pursuant to the laws of Japan, and having a principal place of business at 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192 Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest of the Assignors in and to said improvements, the entire right, title and interest of the Assignors in and to any US patent application(s) based on said improvements, and in and to any Patent(s) of the United States, to be obtained therefor and thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, do hereby sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest of the Assignors in and to the above-mentioned improvements, the entire right, title and interest of the Assignors in and to any US patent applications and any and all Patents of the United States of America that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant to and agree with the Assignee, its successors, legal representatives, and assign, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the improvements set forth in said above-mentioned application, and that the same right, title, and interest are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant to and agree with the Assignee, its successors, legal representatives, and assign that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assign, shall advise that any proceeding in connection with said improvements or said applications for Patents, or any proceeding in connection with Patents for said improvements in the United States of America, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Patents, or any reissue or extension of any Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take

all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Patents for said improvements, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, their successors, legal representatives, and assigns;

And Assignors hereby authorize the Assignee, its successors and assign, or anyone it may properly designate, to insert below the filing date and serial number of said patent application, when said filing date and serial number become available:

US Patent Application Serial No. _____ Filing Date _____ ;

AND the Assignors hereby request the Commissioner of Patents and Trademarks to issue any and all said Patent(s) of the United States to the Assignee as the Assignee of said improvements, the Patent(s) to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: April 13, 2004 Name of Assignor Kentaro Mizuno
Kentaro MIZUNO

Date: April 14, 2004 Name of Assignor Kouji TSUKADA
Kouji TSUKADA

Date: April 15, 2004 Name of Assignor Yoshiteru Omura
Yoshiteru OMURA

Date: April 15, 2004 Name of Assignor Shoji Hashimoto
Shoji HASHIMOTO

Date: April 14, 2004 Name of Assignor Jiro Sakata
Jiro SAKATA