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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and

100864675

original documents or copy thereof.

1. Name of conveying party(ies):

Katsuyoshi SHIRAI, Eiichiro IWASE and
Nobuyasu SUZUMURA

Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies)?

Name: Aisin Seiki Kabushiki Kaisha
1, Asahi-machi 2-chome
Kariya City, Aichi Pref., JAPAN

Additional name(s) & address(es) attached?
 yes no

10-22-98

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: Sept. 07, 1998

4. Application number(s) or patent number(s): (Attorney Docket Q51440)

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

A. Patent Application No.(s)

09/138,577

B. Patent No(s).

Additional numbers attached? Yes No

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

SUGHRUE, MIOW, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved: one

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

Robert V. Sloan Reg. No. 22,775

October 22, 1998
Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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PATENT
REEL: 9539 FRAME: 0642

Assignment

Whereas, I/We, Katsuyoshi SHIRAI, Eiichiro IWASE and Nobuyasu SUZUMURA of
Aichi-ken, JAPAN

hereinafter called assignor(s), have invented certain improvements in

ROTATION DETECTOR

and executed an application for Letters Patent of the United States of America therefor on
September 7, 19 98 ; and

Whereas, Aisin Seiki Kabushiki Kaisha
1, Asahi-machi 2-chome
Kariya-shi, Aichi-ken, JAPAN
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number 09/ 138,577 , filed August 24, 1998) the filing date and application
number of said application when known.

Date: Sep. 7, 1998 s/ Katsuyoshi Shirai
Katsuyoshi SHIRAI

Date: Sep. 7, 1998 s/ Eiichiro Iwase
Eiichiro IWASE

Date: Sep. 7, 1998 s/ Nobuyasu Suzumura
Nobuyasu SUZUMURA

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)