

12-02-1998

RECORDAT



100909673

Our Ref.: 2018-112

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

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

1. Name of conveying party(ies):
Kazuhiro Okazaki Tomomichi Mizoguchi
Satoshi Haseda
Koji Jono

Masayuki Takami

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

Name: DENSO CORPORATION

Internal

Address:

Street Address: 1-1 Showa-cho

Kariya-City

City: Aichi-Pref.

State/Country: Japan

Zip: 448

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

☐ Assignment

☐ Merger

☐ Security Assignment

☐ Change of Name

☒ Other

Record to correct error in fifth inventor's
name and the spelling of Kariya-city in
receiving party's address previously
recorded on Reel 9377, Frame 0191

Execution Date: _____

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: _____

A. Patent Application No(s).

(1) 08/996,885

(2)

(3)

B.

(1)

(2)

(3)

Additional numbers attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence

concerning document should be mailed:

Name: Larry S. Nixon

Internal Address: _____

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road

8th Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed (attached to 04-21-98 submission)

☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any
deficiency in the fee(s) filed, or asserted to be filed, or which
should have been filed herewith (or with any paper thereafter
filed in this application by this firm) to our **Account No.**
14-1140.

12/01/1998 INHUYEN 00000137 08996885

01 FC:581

40.00 0P

DO NOT USE THIS SPACE

9. Statements 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.

Larry S. Nixon

Name of Person Signing

Reg. No. 25,640

Larry S. Nixon
Signature

November 30, 1998

Date

Total number of pages including **original** cover sheet, attachments, and document: [7]

PATENT
REEL: 9607 FRAME: 0052

08-17-1998



OVER SHEET

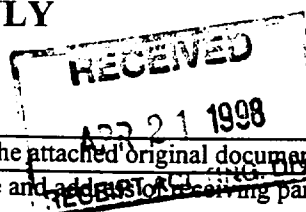
100795758

ONLY

Our Ref.: 2018-112

MRD 4-21-98

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231



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

<p>1. Name of conveying party(ies): Kazuhiro Okazaki Tomomichi Mizogushi Satoshi Haseda Koji Jono Masayuki Takami</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other Record to correct error in fifth inventor's name previously recorded on Reel 8948, Frame 0760</p> <p>Execution Date: _____</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>DENSO CORPORATION</u> Internal _____ Address: _____ Street Address: <u>1-1 Showa-cho</u> Kariya-city _____ City: <u>Aichi-Pref.</u> State/Country: <u>Japan</u> Zip: <u>448</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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: _____

<p>A. Patent Application No(s). (1) 08/996,885 (2) _____ (3) _____</p>	<p>B. _____ (1) _____ (2) _____ (3) _____</p>
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Additional numbers attached ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Larry S. Nixon</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
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04/30/1998 DCDATES 00000051 08996885

DO NOT USE THIS SPACE

01 FD-958 Statements and signature. 40.00 OP

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.

Larry S. Nixon
Name of Person Signing
Reg. No. 25,640

Larry S. Nixon
Signature

April 21, 1998
Date

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

~~02-13-1998~~
~~100633306~~

HEET

Our Ref.:

U.S. PTO
08/99/6885
12/7

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

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

<p>1. Name of conveying party(ies): Kazuhiro Okazaki Tomomichi Takami Satoshi Haseda Koji Jono Masayuki Takami</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: December 11 and 12, 1997</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>DENSO CORPORATION</u> Internal Address: Street Address: <u>1-1 Showa-cho</u> Kairiya-city City: <u>Aichi-Pref.</u> State/Country: <u>Japan</u> Zip: <u>448</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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: December 23, 1997

<p>A. Patent Application No(s). (1) (To Be Assigned) (2) (3)</p>	<p>B. (1) (2) (3)</p>
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Additional numbers attached ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Larry S. Nixon</u> Internal Address: Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
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9. Statements 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.

<p>02/12/1998 TTUBBS 00000023 08996885 02 FC:581 Larry S. Nixon 40.00 DP</p> <p>Name of Person Signing Reg. No. 25,640</p>	<p><u>Larry S. Nixon</u> Signature</p>	<p><u>December 23, 1997</u> Date</p>
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Total number of pages including original cover sheet, attachments, and document: [2]

ASSIGNMENT OF PATENT APPLICATION

46558-00

(Inventors) (1) Kazuhiro Okazaki
(2) Satoshi Haseda
(3) Koji Jono
(4) Masayuki Takami
(5) Tomomichi Mizoguchi

(Assignee) (5) DENSO CORPORATION

(Address) (6) of 1-1 Showa-cho, Kariya-city, Aichi-pref. 448 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as

(Title) AIR-FUEL DETECTION BY CHANGING VOLTAGE APPLIED TO
(7) LIMIT-CURRENT TYPE SENSOR AT DIFFERENT RATE AND SPEED (Case No. _____)
for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(8) on _____ or has already filed in

(9) U.S. appln. Serial No. _____, filed on _____

(10) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of **NIXON & VANDERHYE P.C.** the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date December 12, 1997

Signature of Inventor (1) Kazuhiro Okazaki

Date December 12, 1997

Signature of Inventor (2) Satoshi Haseda

Date December 11, 1997

Signature of Inventor (3) Koji Jono

Date December 11, 1997

Signature of Inventor (4) Masayuki Takami

Date December 11, 1997

Signature of Inventor (5) Tomomichi Mizoguchi