

02-10-1999

HEET
S ONLYTO THE ASSISTANT COMMISSIC
SIR: PLEASE RECORD THE ATT.

100962570

/ THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. SUGIYAMA, Tomio
3. SANO, Hiromi
5.
7.2. SHIBATA, Masahiro (Deceased)
4.
6.
8.ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO1c518 U.S. PTO
09/23/98
01/27/99

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

1-27-99

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

09237918

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST

EXEC. DATE: Dec. 23, 26 & 24, 1998

☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER ☐ OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) Dec. 23, 26 & 24, 1998

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NOA. PAT. APP. NO.(S)
series code/serial
no

M#

1st INVENTOR
if not in item 1

B. PATENT NO(S)

M#

1st INVENTOR
if not in item 1

NEW APPLICATION 260197

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS ____ = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 260197

U3-9848-TS

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

60388

260197

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

02/03/1999 DFLBYD 00000023 09237918

02 FEB 1999 10:00 AM

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.

SignatureReg No.
32,33110. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

3

Attorney: Glenn J. Perry

Reg. No. 28458

Atty/Sec: GJP/mhn

TEL: (202) 861-3070

Date: January 27, 1999

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918USA Patent Appln.
Sole or Joint

Atty. Dkt.

260197

M#

U3-9848-TS
Client Ref.

NONPROVISIONAL

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT
NAME(S) OF
INVENTOR(S)

(1) Tomio SUGIYAMA

(4)

(2) Masahiro SHIBATA

(5)

(3) Hiromi SANO

[] x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

DENSO CORPORATION

of 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-0029 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

MULTILAYERED AIR-FUEL RATIO SENSING ELEMENT

for which the undersigned executed an application for Letters Patent of the United States of America:

NOTE --
(Complete
line A, B and/or C)(A) ☒ even date herewith(B) ☒ on December 23, 24 and 26, 1998(C) ☐ in U.S. Appln. No. / filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE -- The undersigned hereby authorize(s) Pillsbury Madison & Sutro, Intellectual Property Group, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR(S)

DATE SIGNED

WITNESSES

1) Tomio Sugiyama
Name: Tomio SugiyamaDec. 23, 1998Hirosshi Sugino2) _____
Name: Masahiro Shibata (Deceased)

Name: Midori Shibata
By: Midori Shibata (Spouse), Legal RepresentativeDec 26 1998Yuko IdirabayashiName: Midori Shibata
By: Natsumi Shibata (Minor), Legal RepresentativeDec 26 1998Yuko IdirabayashiName: Midori Shibata
By: Raina Shibata (Minor), Legal RepresentativeDec 26 1998Yuko IdirabayashiIF ADDITIONAL INVENTORS, check box ☒ and continue on page 2.

ASSIGNMENT

(Continued from page 1)

LISTING OF ADDITIONAL INVENTORSINSERT
NAME(S) OF
INVENTOR(S)

(6)	(11)
(7)	(12)
(8)	(13)
(9)	(14)
(10)	(15)

SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED**INVENTOR(S)****DATE SIGNED****WITNESSES**3) Hiromi Sano
Name: Hiromi SanoDec. 24, 1998Hirosaki Sugino

Name: _____

Name: _____

Name: _____

Name: _____

Name: _____

Name: _____

Name: _____

Name: _____

Name: _____
