

MRP 2/15/01

03-12-2001

BOX ASSIGNMENTS

DO NOT USE FOR TRADEMARKS

RECO
PATENT

101631434

TO THE ASSISTANT COMMISSIONER OF PATENT
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

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

1. SHIRAI, Makoto
3. KOBAYASHI, Masayuki
5.
7.2. KUROKI, Hisao
4.
6.
8.ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NOJc918 U.S. PTO
09/783589
02/15/01

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

NAME: DENSO CORPORATION

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

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

09/783589

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
☐ ORIGINAL ☐ FACSIMILE/PHOTOCOPY
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: July 19, 1999

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) July 27, 2000 and July 28, 2000

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 274100

U3-9908-YK-A

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

UNDER ORDER NO

60388

274100

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

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.

Signature

Attorney: Glenn J. Perry

Reg. No. 28458

Att/Sec: GJP/vaw

TEL: (202) 861-3070

Date: February 15, 2001

FAX: (202) 822-0944

10. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

2

02/22/2001 HLE333 00000019 09783589

02 FC:581

40.00 DP

FILE WITH PTO RETURN RECEIPT (PAT-103A)

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

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) Makoto SHIRAI	(4) Hirokazu YAMADA
(2) Hisao KUROKI	(5)
(3) Masayuki KOBAYASHI	[] 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

GAS SENSOR WITH CERAMIC HEATER

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 July 19, 1999(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) <u>Makoto Shirai</u>	<u>July 19, 1999</u>	<u>Abimasa Mase</u>
Name: Makoto Shirai		
2) <u>Hisao Kuroki</u>	<u>July 19, 1999</u>	<u>Abimasa Mase</u>
Name: Hisao Kuroki		
3) <u>Masayuki Kobayashi</u>	<u>July 19, 1999</u>	<u>Abimasa Mase</u>
Name: Masayuki Kobayashi		
4) <u>Hirokazu Yamada</u>	<u>July 19, 1999</u>	<u>Abimasa Mase</u>
Name: Hirokazu Yamada		
5) _____	_____	_____
Name: _____		

IF ADDITIONAL INVENTORS, check box ☐ and continue on page 2.