

Handwritten: 1100 7/26/99

08-04-1999

RECORDA
PATENT APP



101110721

10511 U.S. PTD
09/30/98
07/26/99

TO THE ASSISTANT COMMISSIONER OF PATENTS,
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DC

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

- 1. Isao WATANABE
- 3. Masanori FUKUTANI
- 5.
- 7.

- 2. Michihiro YAMAKAWA
- 4.
- 6.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

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

NAME: DENSO CORPORATION

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

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

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
- CHANGE OF NAME ACCURATE TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: January 10, 1997

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (**NOTE:** IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) January 10, 1997

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 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st 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, 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 256977	U3-9689-TS-A
MATTER NO.	CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975		
UNDER ORDER NO	60388	256977
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.

Handwritten signature of Timothy J. Klima

Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	2
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Attorney: Timothy J. Klima

Reg. No. 34852

Date: July 26, 1999

Att/Sec: TJK/JDK/tlm

TEL: (202) 861-3662

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08/02/1999 RECEIVED 0900020 0336074

FILE WITH PTO RETURN RECEIPT (PAT-103A)

02 FC:501

40.00 SP

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) Isao WATANABE	(4)
	(2) Michihiro YAMAKAWA	(5)
	(3) Masanori FUKUTANI	[] 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 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

ASSEMBLING METHOD FOR A HEATER-EQUIPPED AIR-FUEL RATIO SENSOR

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 January 10, 1997
 (C) in U.S. Appln. No. 1 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) Cushman Darby & Cushman Intellectual Property Group of Pillsbury Madison & Sutro, 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>Isao Watanabe</u> Name: Isao Watanabe	<u>January 10, 1997</u>	<u>Kazunori Suzuki</u>
2) <u>Michihiro Yamakawa</u> Name: Michihiro Yamakawa	<u>January 10, 1997</u>	<u>Kazunori Suzuki</u>
3) <u>Masanori Fukutani</u> Name: Masanori Fukutani	<u>January 10, 1997</u>	<u>Kazunori Suzuki</u>
4) _____ Name: _____	_____	_____
5) _____ Name: _____	_____	_____

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