

10.4.99



FR SHEET
ENTS ONLY

TO THE ASSISTANT COMMIS
SIR: PLEASE RECORD THE A

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S:
COPY THEREOF.

JC598 U.S. PTO
09/411319

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

- 1. Toshio IKUTA
- 3. Takamoto WATANABE
- 5.
- 7.
- 2. Noboru ENDO
- 4.
- 6.
- 8.

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

09/411319

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

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: 1)September 13, 1999;
2)September 15, 1999 and 3)September 14, 1999

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1)September 13, 1999; 2)September 15, 1999 and 3)September 14, 1999

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
New Application	264161				

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 264161	U3-9933-TS
MATTER NO.	CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975		
UNDER ORDER NO	60388	264161
dup. sheet not required	CLIENT NO.	MATTER NO.

10/15/99 JPL/FIS 0000008 09411319
2 FC:581 40.00 DP

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

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	2
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Attorney: Glenn J. Perry
Reg. No. 28458
Atty/Sec: GJP/nlh

TEL: (202) 861-3070

Date: October 4, 1999
FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

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Ninth Floor, East Tower
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USA Patent Appln.
Sole or Joint

For Inventions made outside USA
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Atty. Dkt. 264161 U3-9933-TS
M# 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) Toshio IKUTA	(4)
(2) Noboru ENDO	(5)
(3) Takamoto WATANABE	<input type="checkbox"/> 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

SENSING APPARATUS INCLUDING AN A/D CONVERSION CIRCUIT FOR
DETECTING A PHYSICAL QUANTITY

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 September 13, 14 and 15, 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>Toshio Ikuta</u> Name: Toshio Ikuta	<u>September 13, 1999</u>	<u>Takashi Komura</u>
2) <u>Noboru Endo</u> Name: Noboru Endo	<u>September 15, 1999</u>	<u>Yukihiko Tanizawa</u>
3) <u>Takamoto Watanabe</u> Name: Takamoto Watanabe	<u>September 14, 1999</u>	<u>Yasueki Makino</u>
4) _____ Name: _____	_____	_____
5) _____ Name: _____	_____	_____

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