

04-07-2000

BOX ASSIGNMENTS



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101309694

LET
PATENT APPLICATIONS ONLY

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

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

- 1. Junichi IINO
- 2. Masaya ITOU
- 3. Hidetoshi KATO
- 4. Takashi YAMASHITA
- 5. Takumi SHIMIZU
- 6. Tetsuya KOBAYASHI
- 7.
- 8.

FEB 29 2000

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., 448-8661 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

EXEC. DATE: November 16, 1998

CHANGE OF NAME ACCURATE TRANSLATION
 SECURITY MERGER OTHER: **Correction**

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) November 16, 1998

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
09/195,555	257965				

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 257965 48954-US-KY/mi
MATTER NO. CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
UNDER ORDER NO 30954 257965
dup. sheet not required CLIENT NO. MATTER NO.

04/06/2000 DC DATES 00000094 09195555

01 FC:581 40.00 00

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) 6

Attorney: G. Lloyd Knight

Reg. No. 17698

Date: February 29, 2000

Att/Sec: GLK/bg

TEL: (202) 861-3090

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

PAT-114X 1/99

PATENT
REEL: 010653 FRAME: 0809

12249

RECORDATION FORM COVER SHEET
PATENT APPLICATIONS & PATENTS



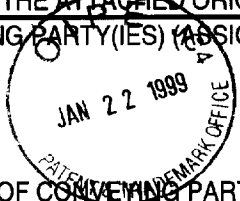
TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY

100957054

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

- 1. Junichi IINO
- 3. Hidetoshi KATO
- 5. Takumi SHIMIZU
- 7.

- 2. Masaya ITOU
- 4. Takashi YAMASHITA
- 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., 448-8661 Japan

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EXEC. DATE: November 16, 1998

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 SECURITY MERGER OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) November 16, 1998

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

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09/195,555	257965				

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Intellectual Property Group
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, D.C. 20005-3918

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dup. sheet not required CLIENT NO. MATTER NO.

9. STATEMENT AND SIGNATURE.

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Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 3

Attorney: G. Lloyd Knight
Reg. No. 17698 Date: January 22, 1999
Atty/Sec: GLK/slb TEL: (202) 861-3090 FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

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

USA Patent Appln.
Sole or Joint

Atty. Dkt.

For Inventions made outside USA
executed with or after application

48954-US
Client Ref.

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) Junichi Iino	(4) Takashi Yamashita
(2) Masaya Itou	(5) Takumi Shimizu
(3) Hidetoshi Kato	<input checked="" 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
1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 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

VOLTAGE DETECTING DEVICE FOR SET BATTERY
--

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 _____
- (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>Junichi Iino</u> Name: Junichi Iino	<u>November 16, 1998</u>	<u>Tamoya Katoh</u>
2) <u>Masaya Itou</u> Name: Masaya Itou	<u>November 16, 1998</u>	<u>Tamoya Katoh</u>
3) <u>Hidetoshi Kato</u> Name: Hidetoshi Kato	<u>November 16, 1998</u>	<u>Tamoya Katoh</u>
4) <u>Takashi Yamashita</u> Name: Takashi Yamashita	<u>November 16, 1998</u>	<u>Tamoya Katoh</u>
5) <u>Takumi Shimizu</u> Name: Takumi Shimizu	<u>November 16, 1998</u>	<u>Tamoya Katoh</u>

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

ASSIGNMENT

(Continued from page 1)

LISTING OF ADDITIONAL INVENTORS

INSERT
NAME(S) OF
INVENTOR(S)

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

SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
6)	<div style="font-size: small; margin-left: -20px; margin-bottom: 5px;"> <i>T. K. November 16 1998</i> </div> <div style="font-family: cursive; font-size: large;"> <i>Tetsuya Kobayashi</i> </div> Name: Tetsuya Kobayashi	<div style="font-family: cursive; font-size: large;"> <i>November 16, 1998</i> </div>	<div style="font-family: cursive; font-size: large;"> <i>Tomoya Katch</i> </div>
7)	Name: _____	_____	_____
8)	Name: _____	_____	_____
9)	Name: _____	_____	_____
10)	Name: _____	_____	_____
11)	Name: _____	_____	_____
12)	Name: _____	_____	_____
13)	Name: _____	_____	_____
14)	Name: _____	_____	_____
15)	Name: _____	_____	_____



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



100957054A

APRIL 30, 1999

PTAS

PILLSBURY MADISON & SUTRO LLP
G. LLOYD KNIGHT
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, DC 20005-3918

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/22/1999

REEL/FRAME: 9730/0135
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

IINO, JUNICHI

DOC DATE: 11/16/1998

ASSIGNOR:

ITOU, MASAYA

DOC DATE: 11/16/1998

ASSIGNOR:

KATO, HIDETOSHI

DOC DATE: 11/16/1998

ASSIGNOR:

YAMASHITA, TAKASHI

DOC DATE: 11/16/1998

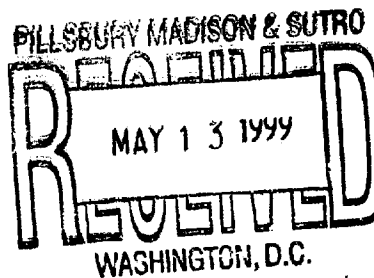
ASSIGNOR:

SHIMIZU, TAKUMI

DOC DATE: 11/16/1998

ASSIGNEE:

DENSO CORPORATION
1-1, SHOWA-CHO
KARIYA-CITY, AICHI-PREF., 448-
8661
JAPAN



DOC. DATE: 11/16/1998

ASSIGNOR:

KOBAYASHI, TETSUYA

SERIAL NUMBER: 09195555
PATENT NUMBER:

FILING DATE: 11/19/1998
ISSUE DATE:

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS