



US00D386148S

# United States Patent [19]

**Katooka et al.**

[11] **Patent Number: Des. 386,148**

[45] **Date of Patent: \*\*\*Nov. 11, 1997**

[54] **PORTABLE POWER SUPPLY UNIT WITH AC-DC CONVERTER**

[75] **Inventors: Masao Katooka, Kawanishi; Toru Arai, Shimochoja-machi; Shigeru Okamoto, Hirakata; Kenzo Danjo, Kyoto-fu; Masaharu Tanaka, Osaka, all of Japan**

[73] **Assignee: Sansaha Electric Manufacturing Co., Ltd., Higashiyodogawa-ku, Japan**

[\*] **Notice: The portion of the term of this patent subsequent to Jan. 14, 2011, has been disclaimed.**

[\*\*] **Term: 14 Years**

[21] **Appl. No.: 55,205**

[22] **Filed: May 31, 1996**

### Related U.S. Application Data

[63] **Continuation-in-part of Ser. No. 39,633, Jun. 1, 1995.**

### [30] Foreign Application Priority Data

Dec. 6, 1994 [JP] Japan ..... 6-37410

[51] **LOC (6) Cl. .... 13-02**

[52] **U.S. Cl. .... D13/110**

[58] **Field of Search ..... D13/110; 307/64, 307/65, 150; 363/15**

### [56] References Cited

#### U.S. PATENT DOCUMENTS

- D. 264,962 6/1982 Fellmann ..... D13/110
- D. 276,495 11/1984 Sylvia ..... D13/110 X
- D. 280,318 8/1985 Barone ..... D13/110
- D. 311,899 11/1990 Lenzing et al. .... D13/110 X

- D. 334,560 4/1993 Wilson ..... D13/110 X
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### OTHER PUBLICATIONS

SanRex Arc Friend (4 pg. brochure) (date prior to Jun. 6, 1994).

*Primary Examiner*—Joel Sincavage

*Attorney, Agent, or Firm*—William H. Murray; Robert E. Rosenthal

### [57] CLAIM

The ornamental design for a portable power supply unit with AC-DC converter, as shown and described.

### DESCRIPTION

FIG. 1 is a front and right side perspective view of a portable power supply unit with AC-DC converter showing our new design;

FIG. 2 is a rear and left side perspective view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a right side elevational view thereof;

FIG. 7 is a top plan view thereof;

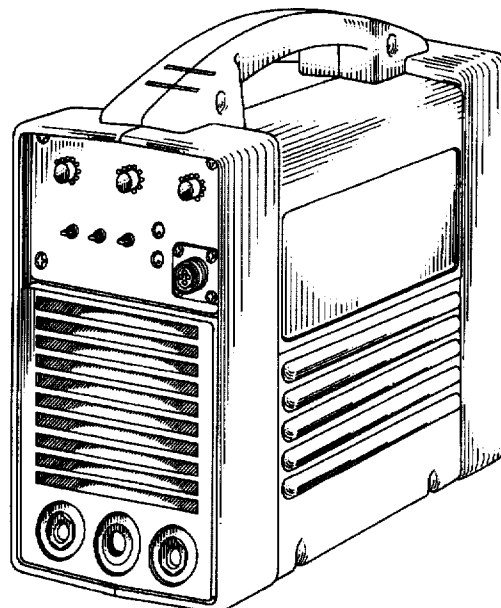
FIG. 8 is a bottom plan view thereof; and,

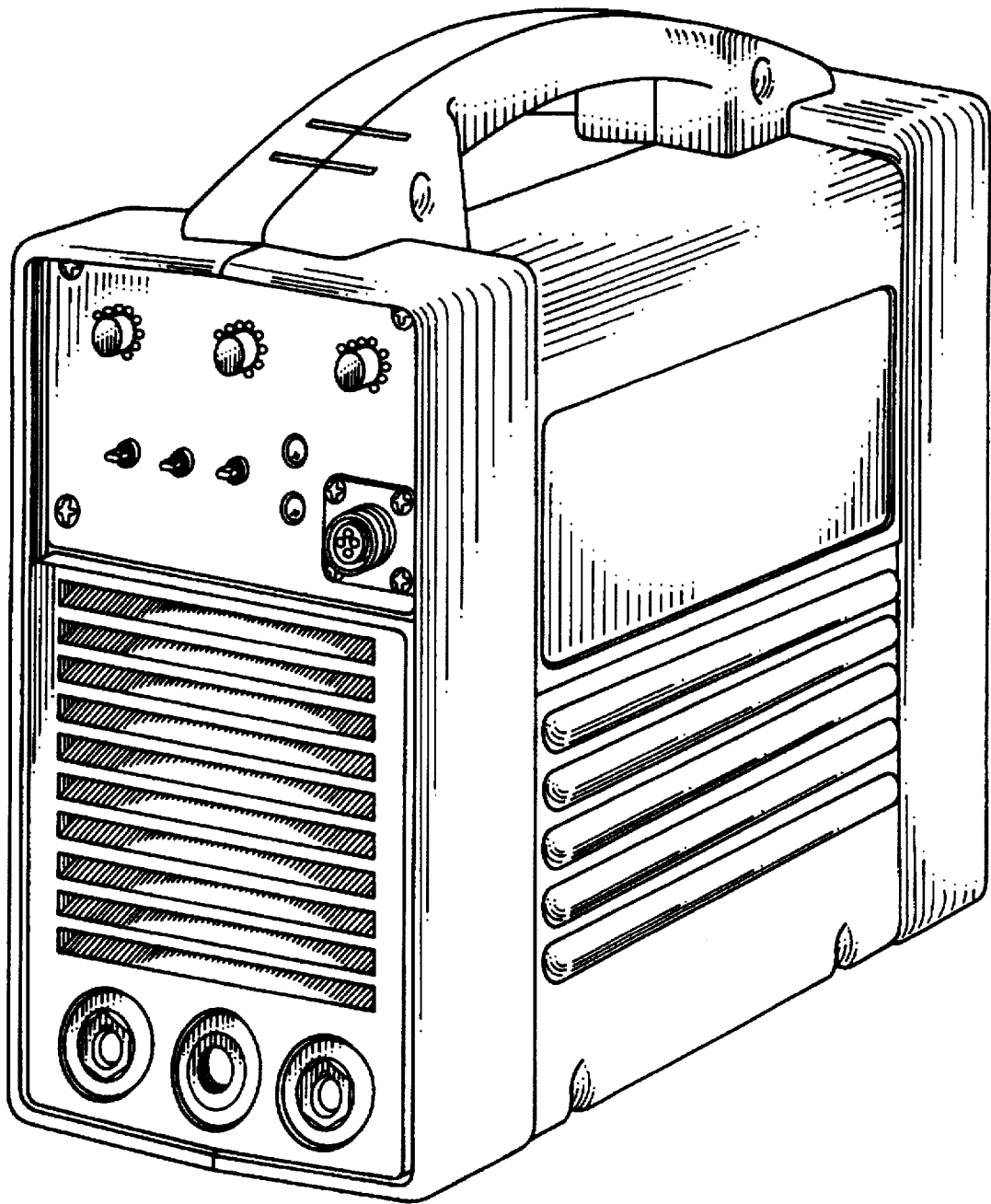
FIG. 9 is a cross-sectional view thereof along the line A—A in FIG. 3.

The cross-sectional view is included for the purpose of showing external surface contours which may not be clear from the remaining illustrations. Any features of internal construction which are incidentally shown form no part of the claimed design.

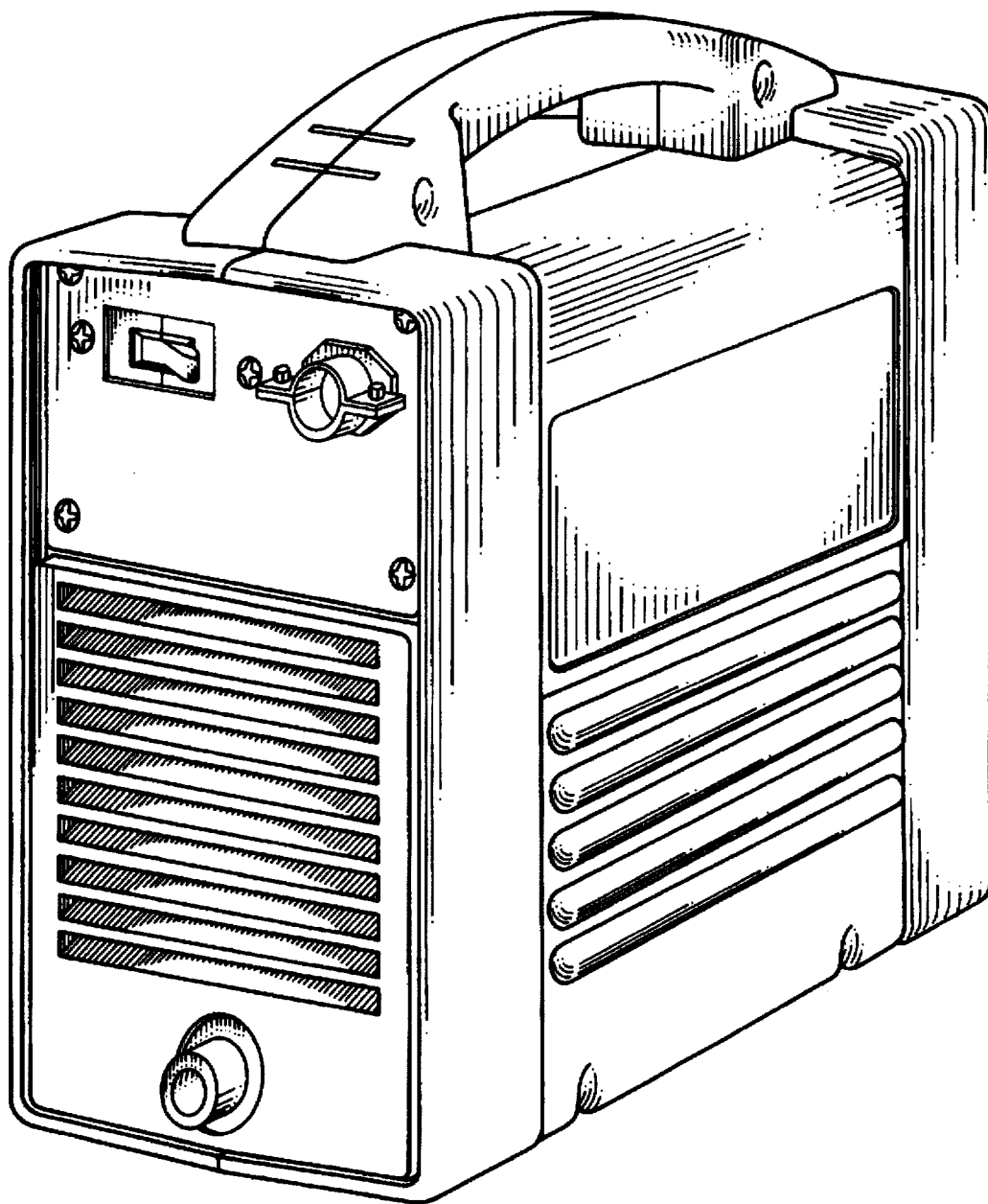
The portable power supply unit with AC-DC converter of our new design is a portable power supply unit for converting AC power to DC power and supplying DC power to, for example, an arc welder or a plasma arc cutter.

**1 Claim, 9 Drawing Sheets**





F I G . 1



F I G . 2

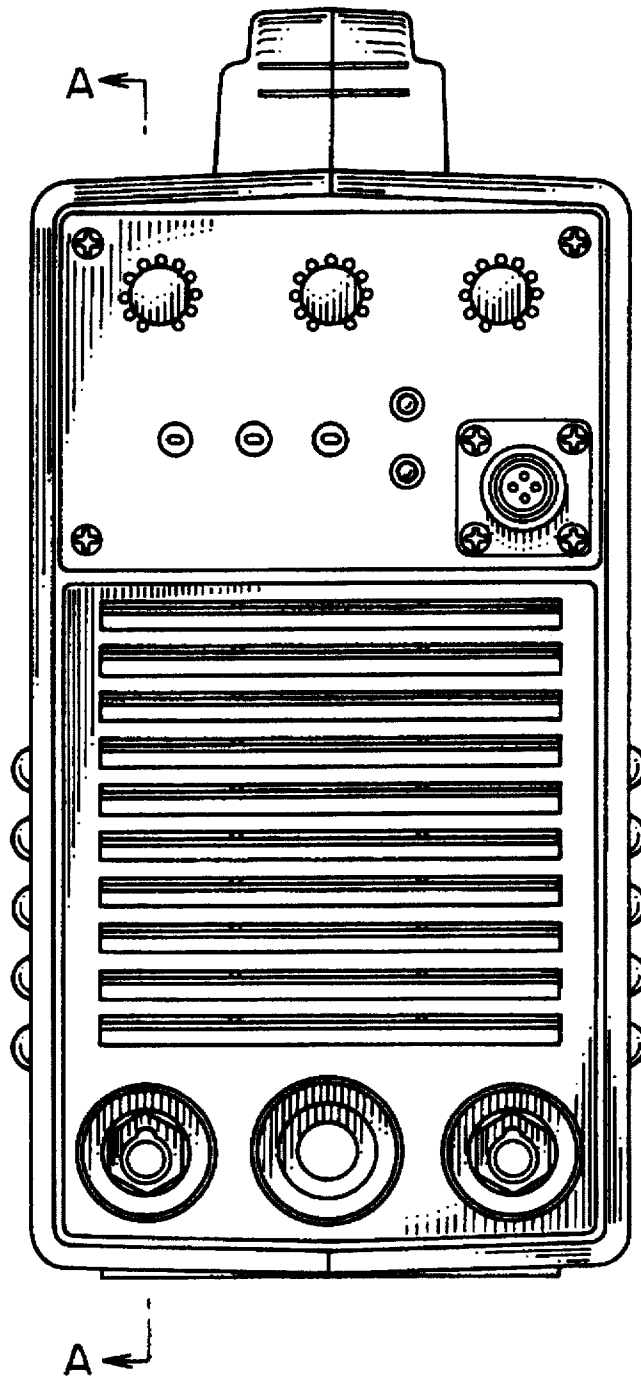


FIG. 3

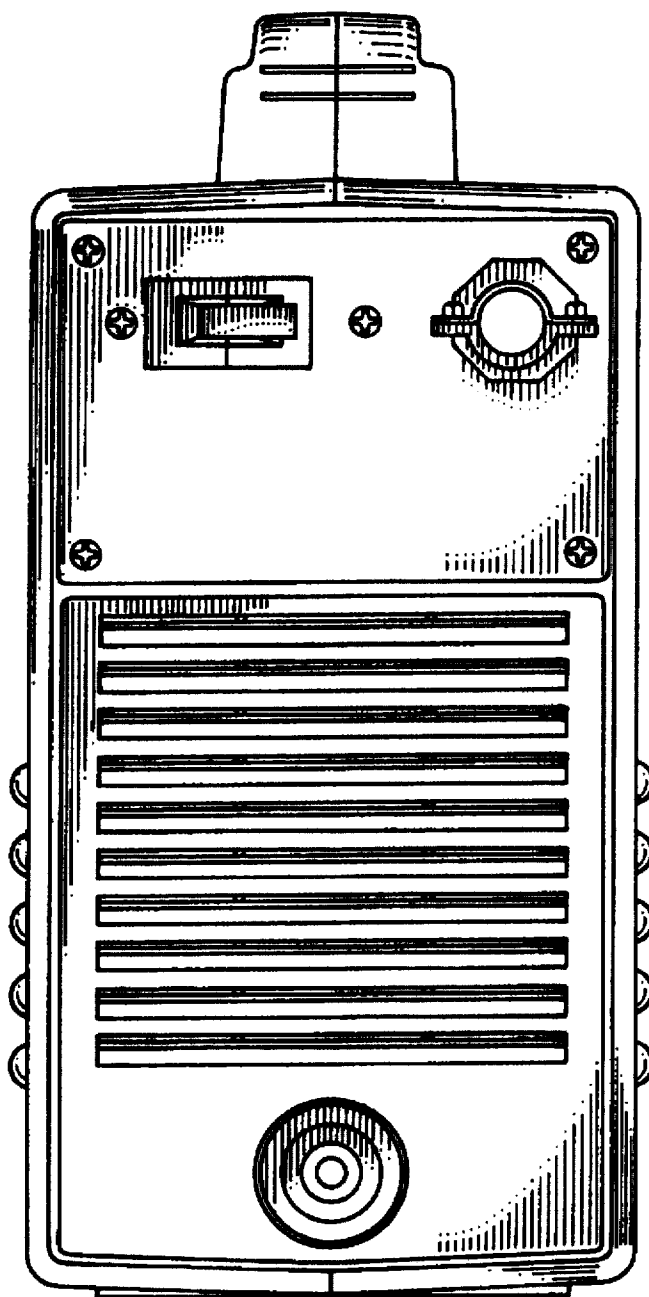


FIG. 4

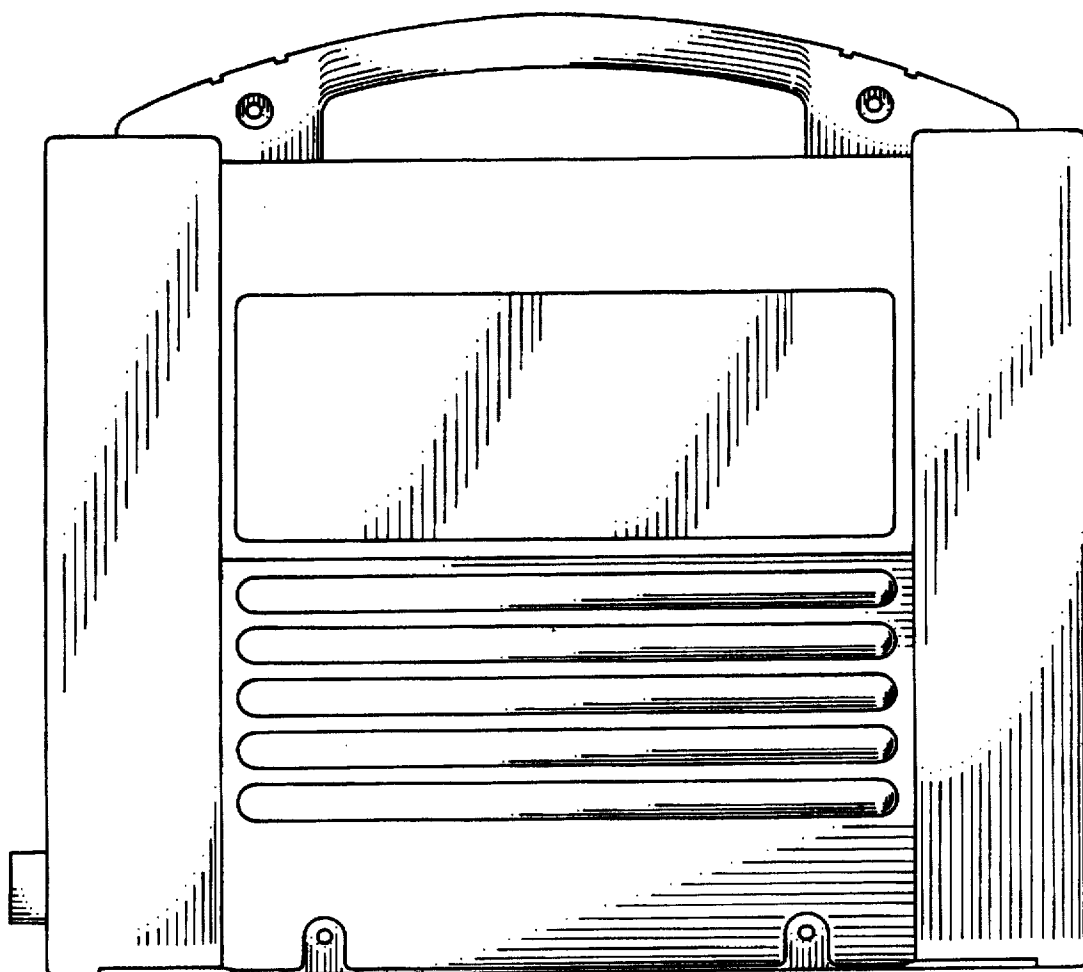
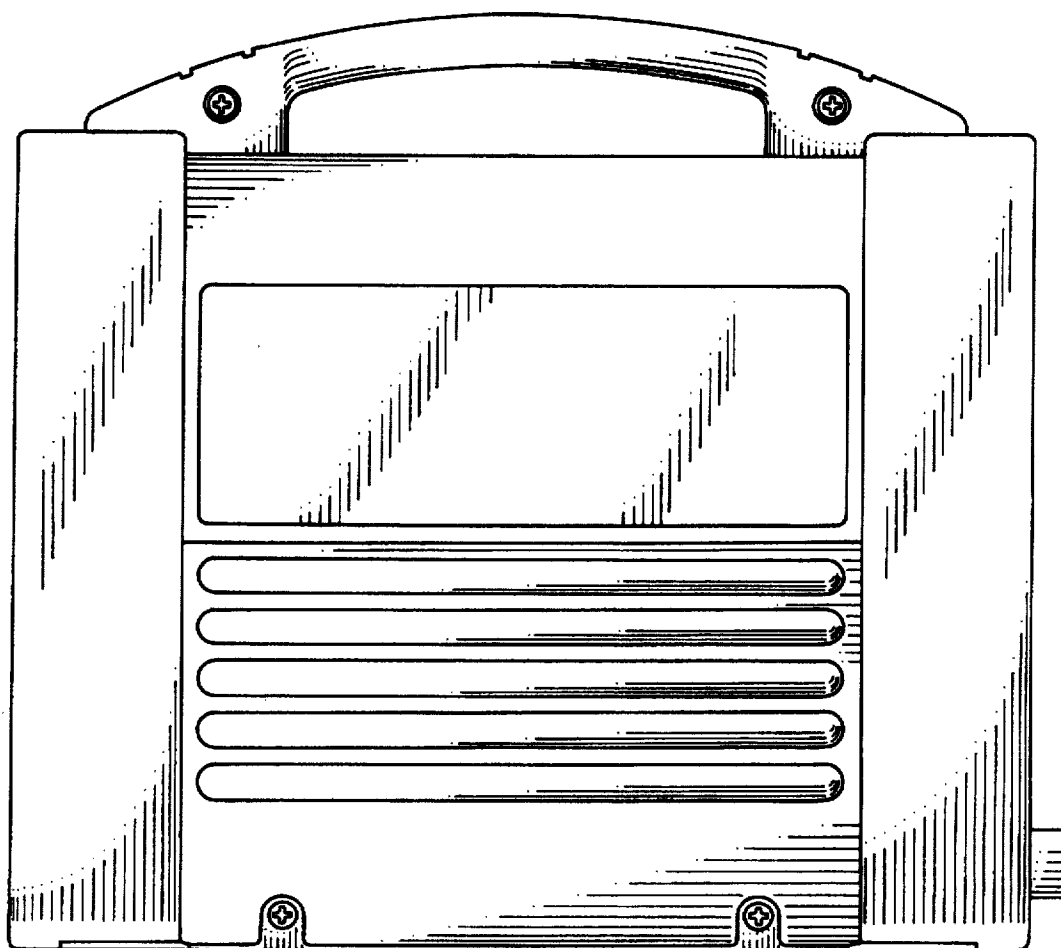


FIG. 5



F I G . 6

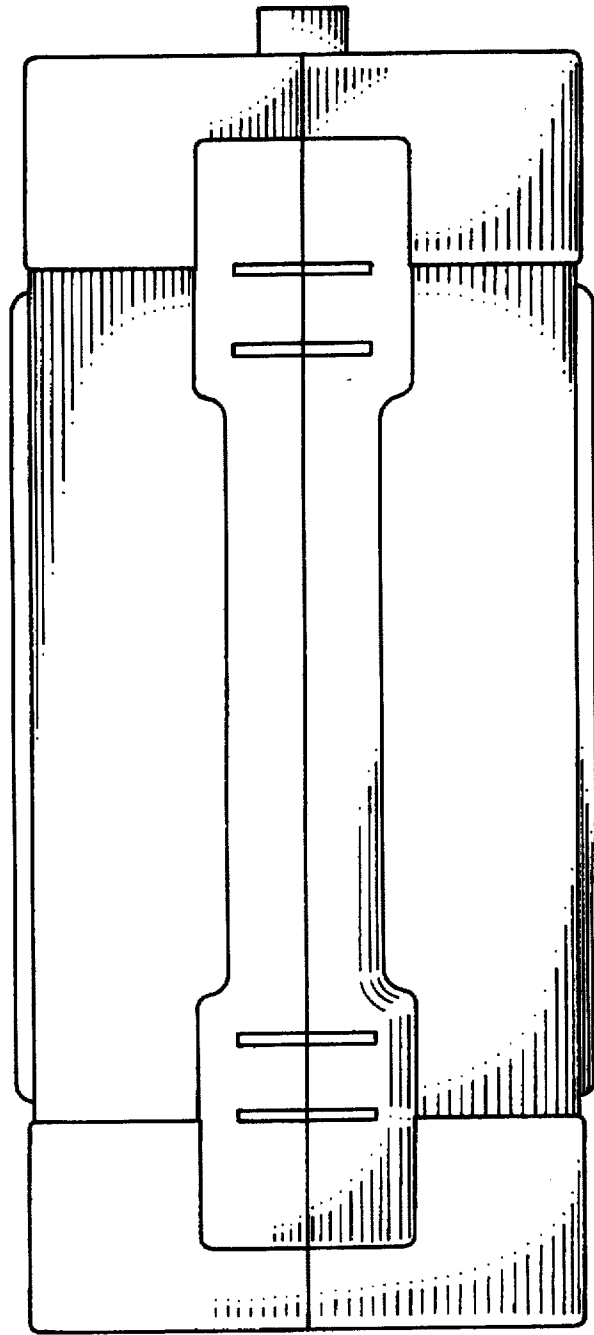


FIG. 7



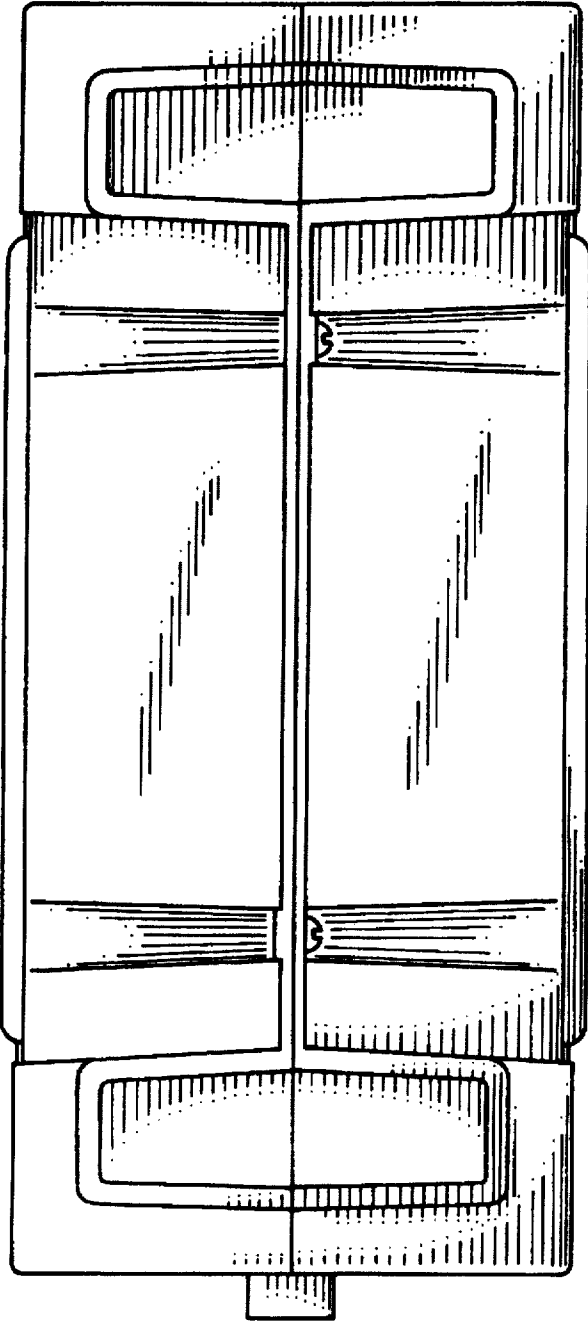


FIG. 8

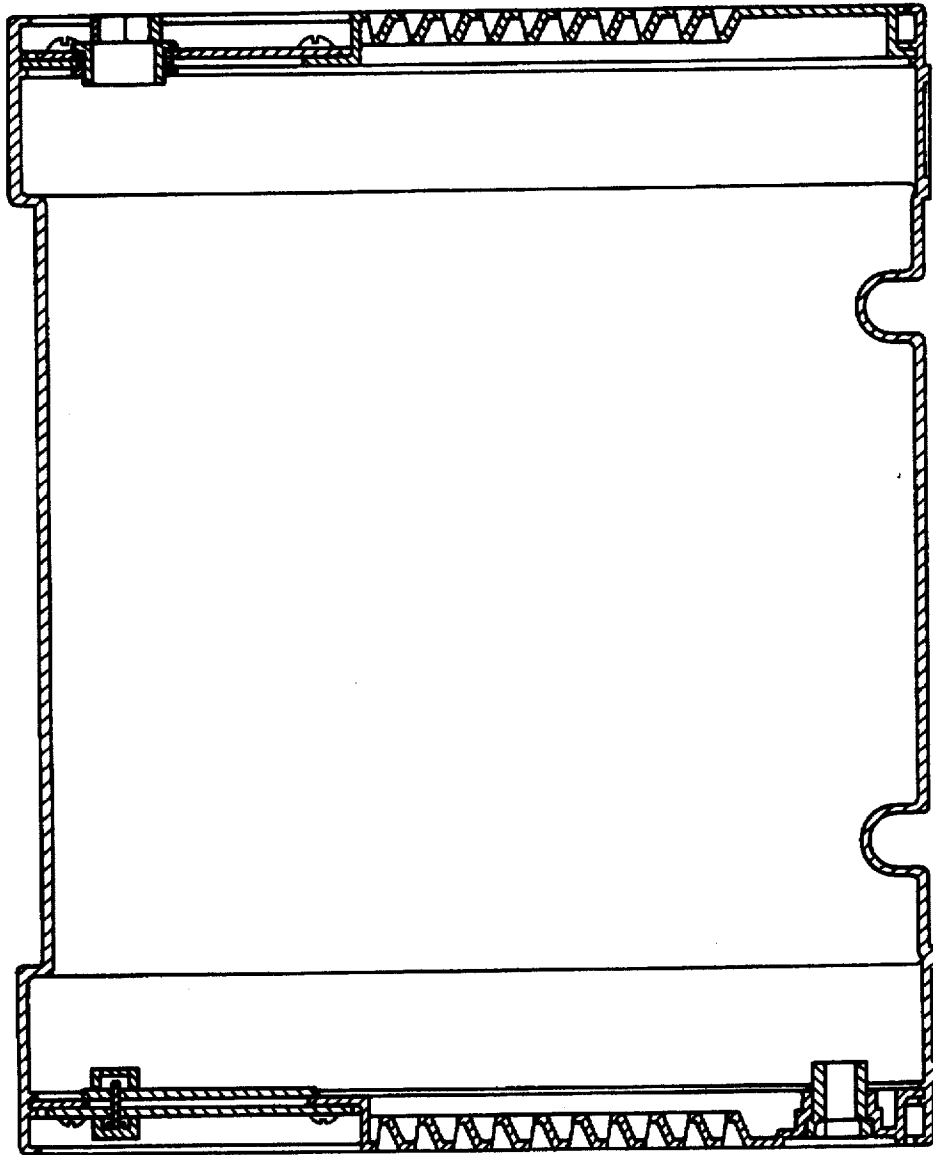


FIG. 9

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : Des. 386,148  
DATED : November 11, 1997  
INVENTOR(S) : Masao Katooka et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Item [73]** should read: --Assignee: Sansha Electric Manufacturing Company, Limited, Osaka, Japan--.

Signed and Sealed this  
Twenty-fourth Day of March, 1998

Attest:



BRUCE LEHMAN

Attesting Officer

Commissioner of Patents and Trademarks