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United States Patent [19]

Takematsu et al.

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[45] **Date of Patent: ** Feb. 11, 1992**

[54] **LIQUID RECEIVER FOR STORAGE OF LIQIUD REFRIGERANT AND HAVING A DESICCANT CHARGING PORTION, FOR USE IN VEHICLE AIR CONDITIONERS AND THE LIKE**

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[73] Assignee: **Calsonic Corporation**, Tokyo, Japan

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

[21] Appl. No.: **405,667**

[22] Filed: **Sep. 11, 1989**

[30] **Foreign Application Priority Data**

Mar. 13, 1989 [JP] Japan 1-8657
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[52] **U.S. Cl.** **D23/325**

[58] **Field of Search** ..... D23/361, 363, 357, 359, D23/360, 362, 356, 325, 386; 215/1 R; D24/56; D9/371; 62/149, 509, 474509, 474

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 232,355	8/1974	Wiedmann	D24/56
893,843	7/1908	Hamman	215/1 R
1,599,348	9/1926	Rieser	215/1 R
1,934,887	11/1933	Robinson	D23/360
2,227,662	1/1941	McHarg	D23/360
2,324,649	7/1943	Smith	62/509
3,606,762	9/1971	Anglin	62/61
4,647,719	3/1987	Yanagisawa	62/509
4,707,999	11/1987	Ohta et al.	62/509
4,778,073	10/1988	Ehs	220/3
4,920,766	5/1990	Yamamoto et al.	62/509

FOREIGN PATENT DOCUMENTS

1139518	11/1962	Fed. Rep. of Germany	62/474
61-159777	10/1986	Japan .	
63-315874	12/1988	Japan .	
533571	2/1941	United Kingdom	215/1 R

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[57] **CLAIM**

The ornamental design for a liquid receiver for storage of liquid refrigerant and having a desiccant charging portion, for use in vehicle air conditioners and the like, as shown and described.

DESCRIPTION

FIG. **1** is a top front perspective view of a liquid receiver for storage of liquid refrigerant and having a desiccant charging portion, for use in vehicle air conditioners and the like showing our new design;
FIG. **2** is a front elevation view thereof;
FIG. **3** is a rear elevation view thereof;
FIG. **4** is a left side elevation view thereof, the opposite side being a mirror image of that shown;
FIG. **5** is a top plan view thereof;
FIG. **6** is a bottom plan view thereof;
FIG. **7** is a top, front, perspective view of a liquid receiver showing a second embodiment of our new design;
FIG. **8** is a front elevation view of FIG. **7**;
FIG. **9** is a rear elevation view of FIG. **7**;
FIG. **10** is a left side elevation view of FIG. **7**, the opposite side being a mirror image of that shown;
FIG. **11** is a top plan view of FIG. **7**; and
FIG. **12** is a bottom plan view of FIG. **7**.
The electrical cord has been broken-away in FIGS. **2, 3, 4, 5, 8, 9, 10**, and **11** for convenience of illustration.

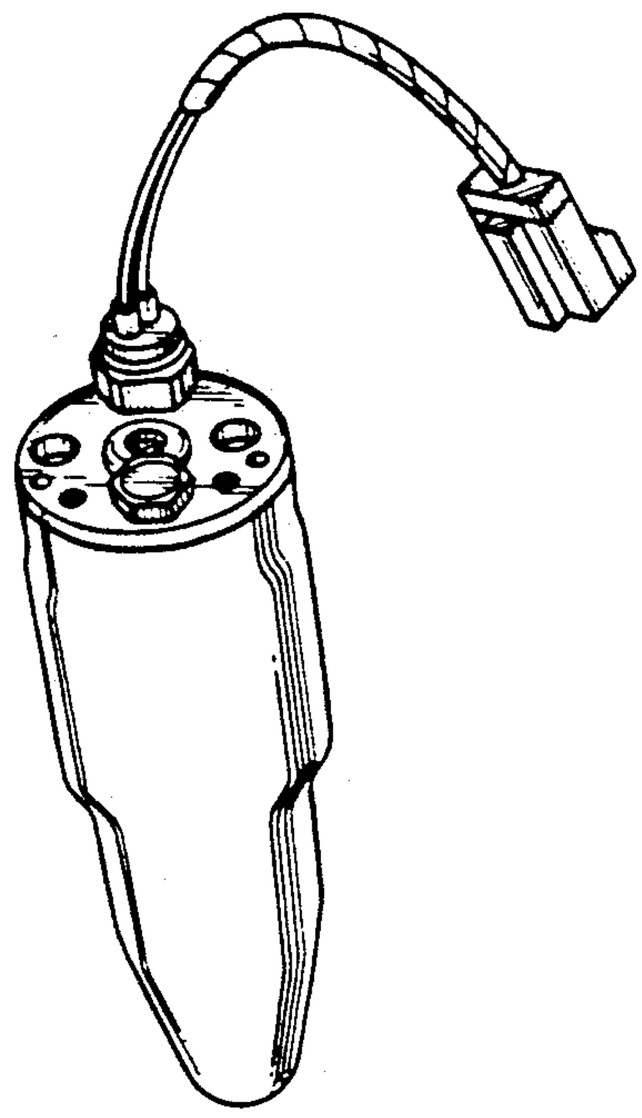

FIG.1

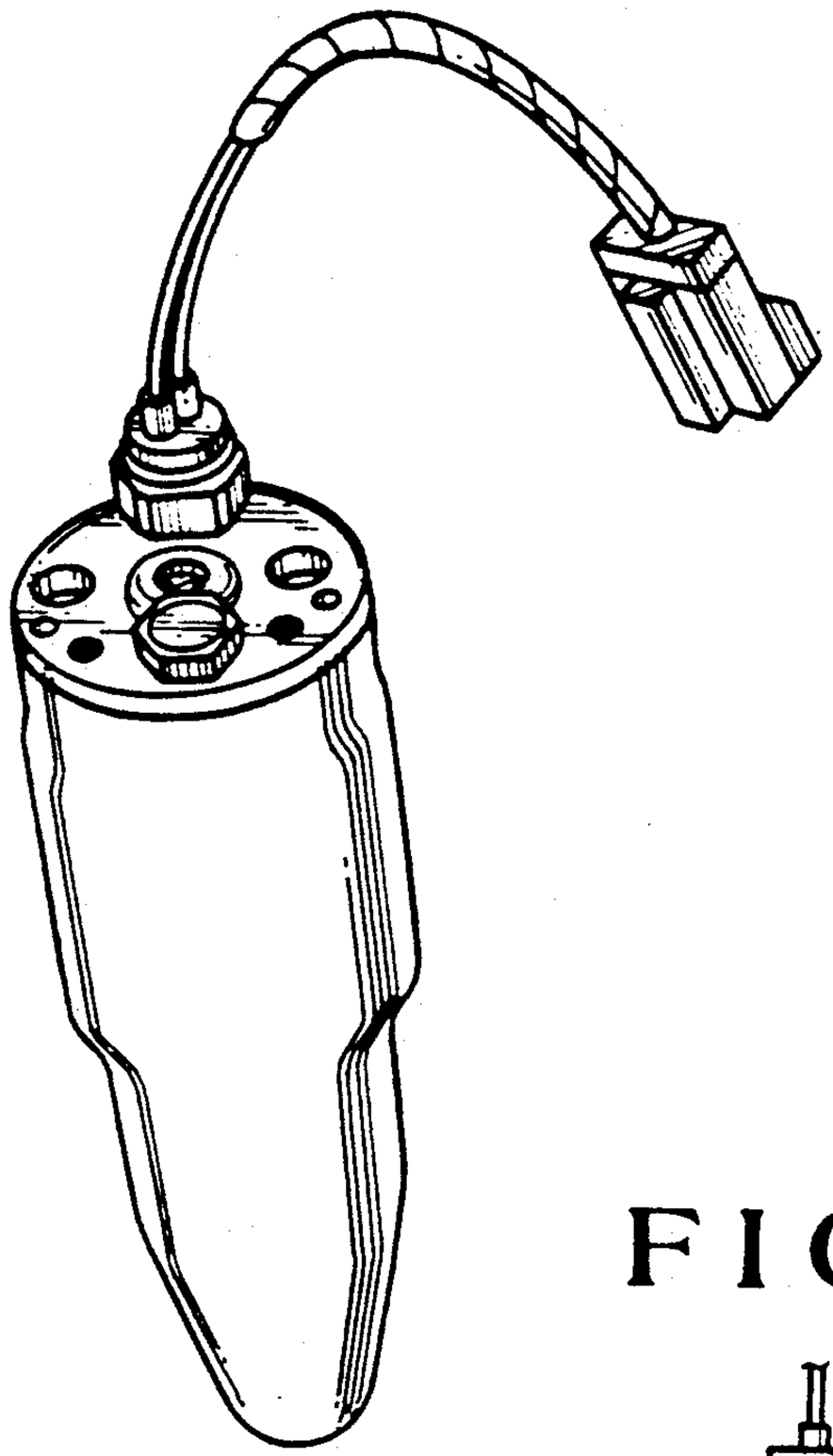

FIG.2

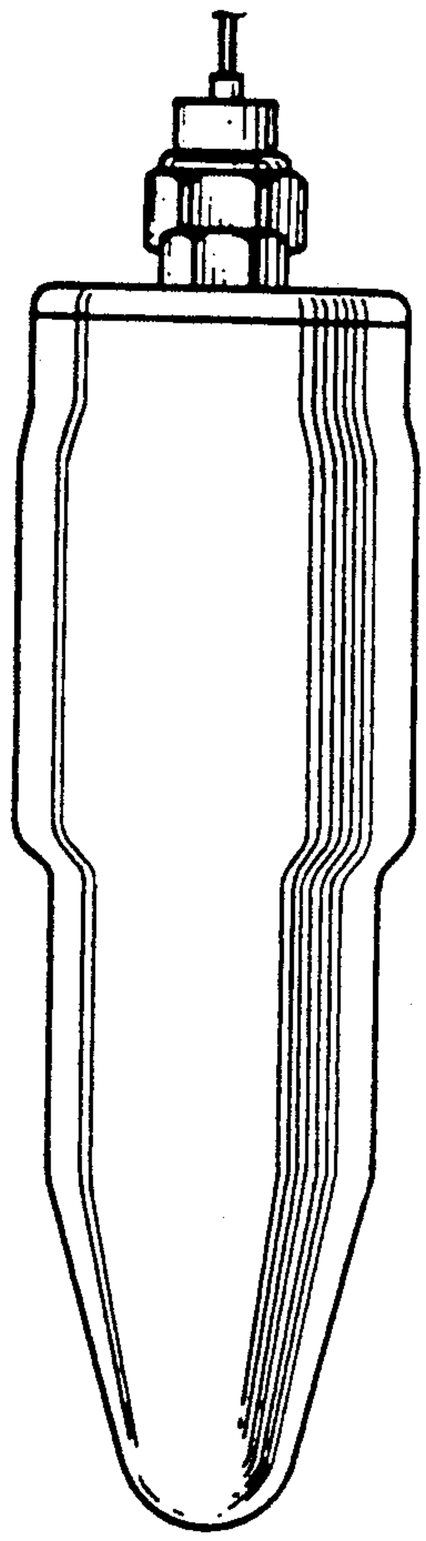

FIG.3

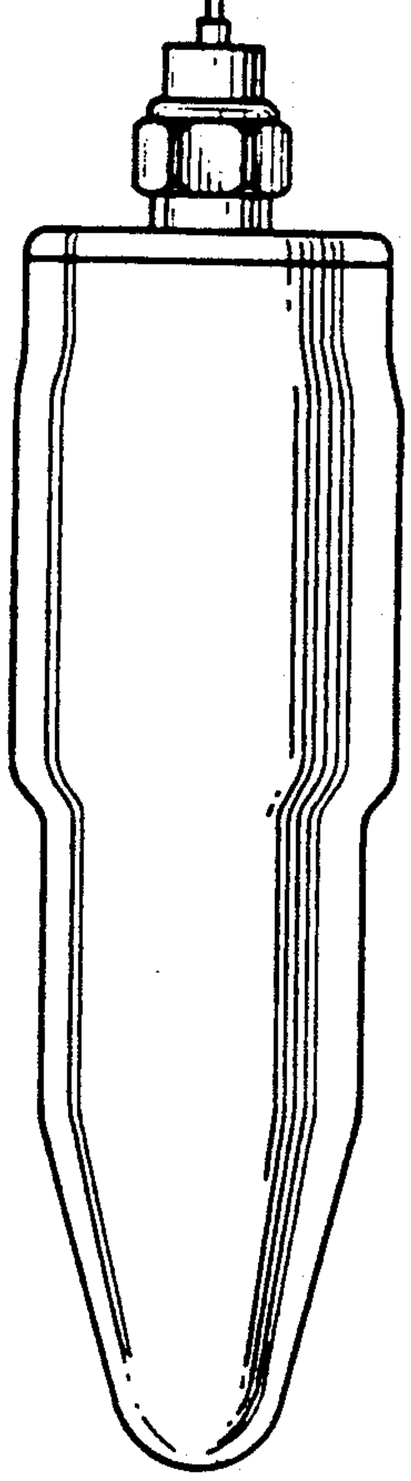

FIG.4

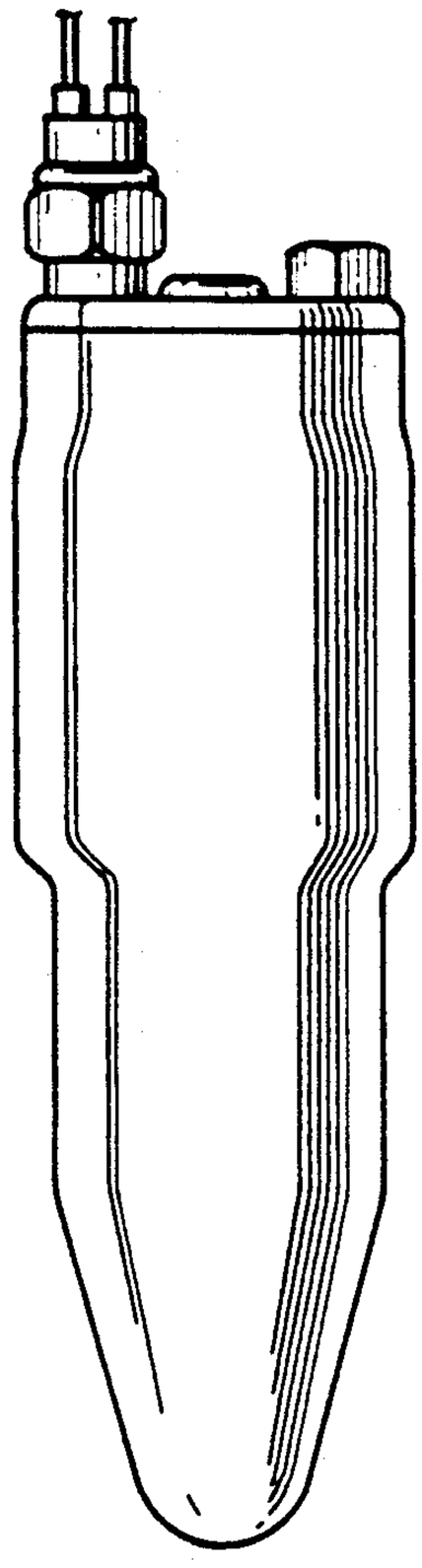

FIG.5

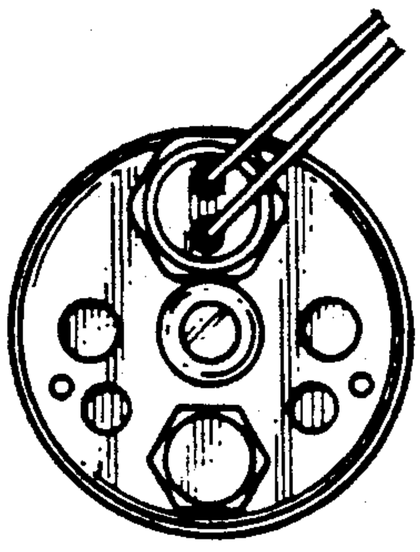

FIG.6

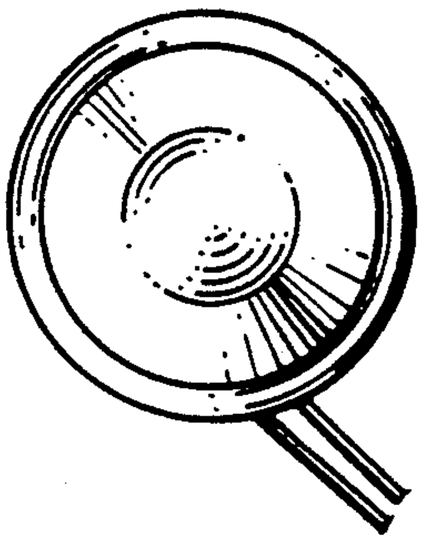

FIG.7

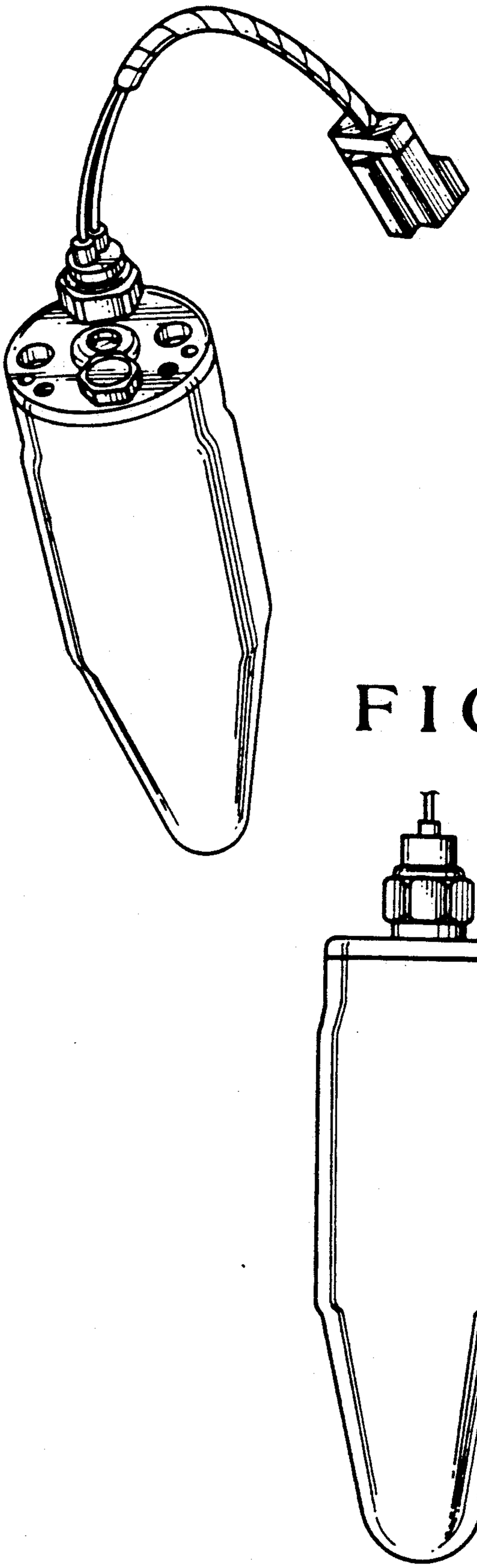

FIG.8

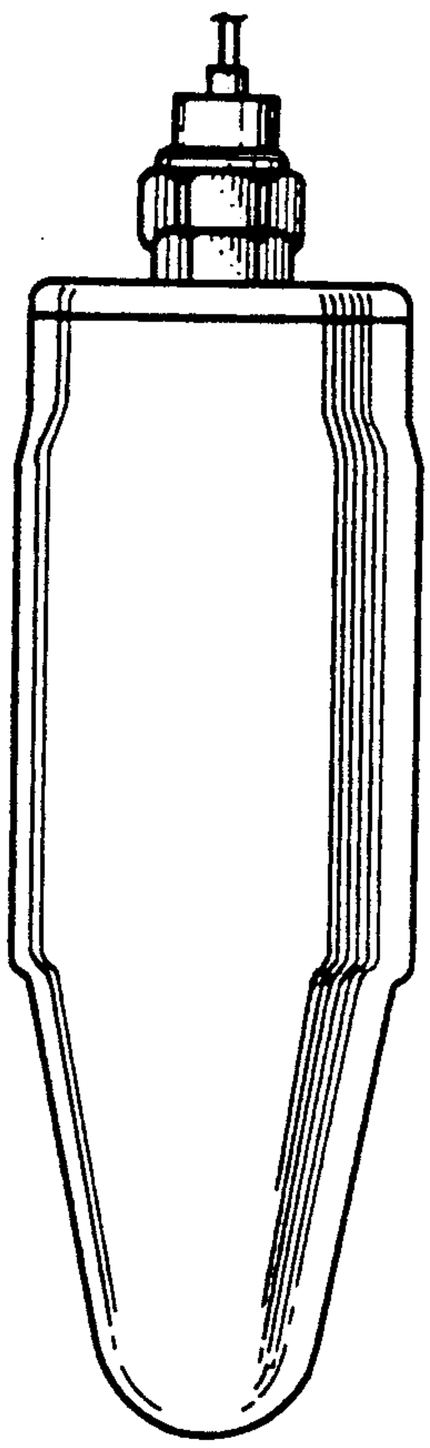

FIG.9

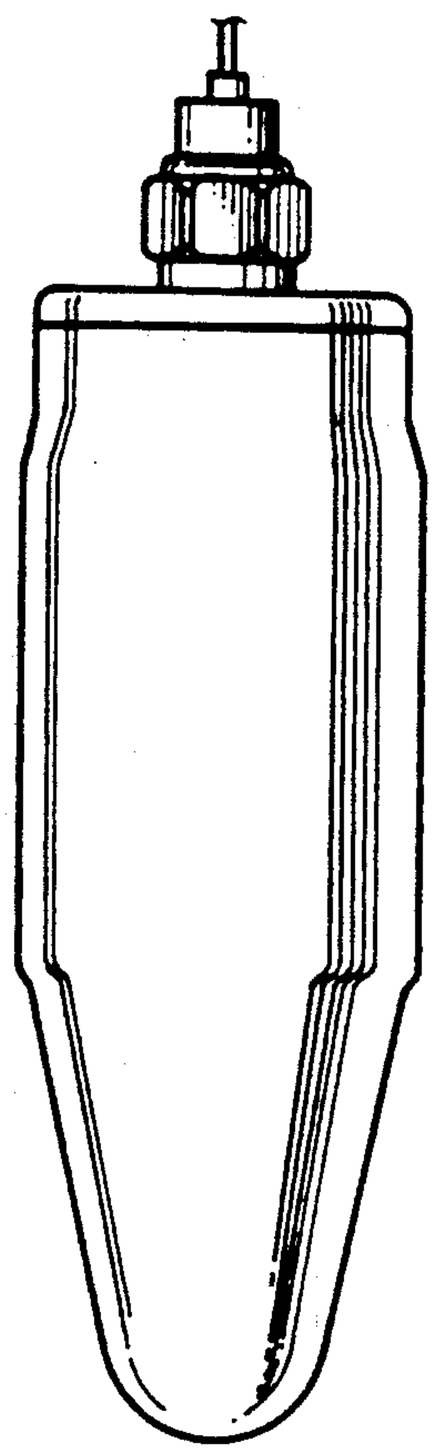

FIG.10

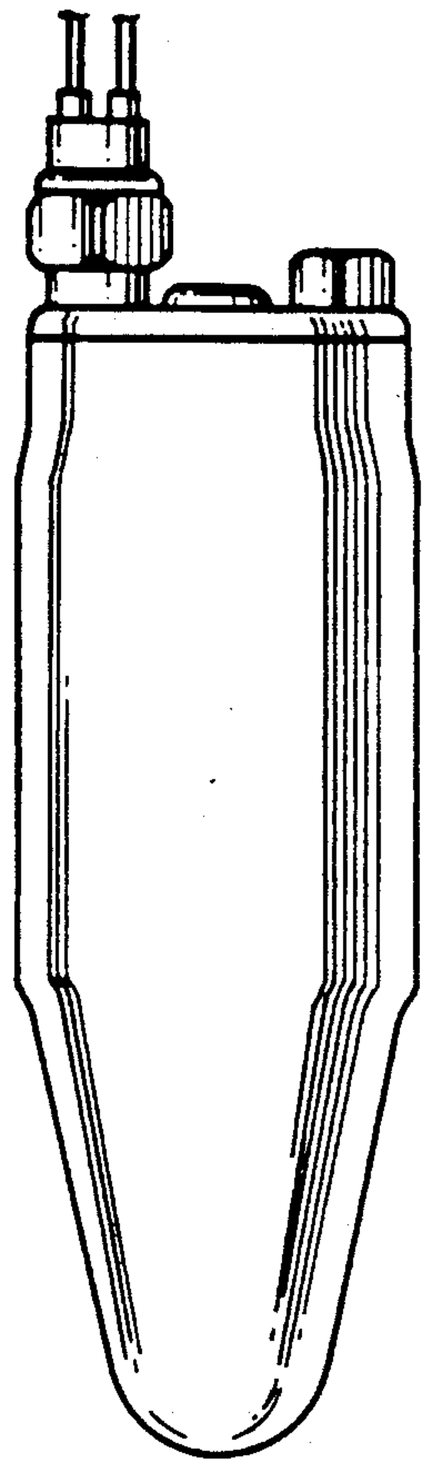

FIG.11

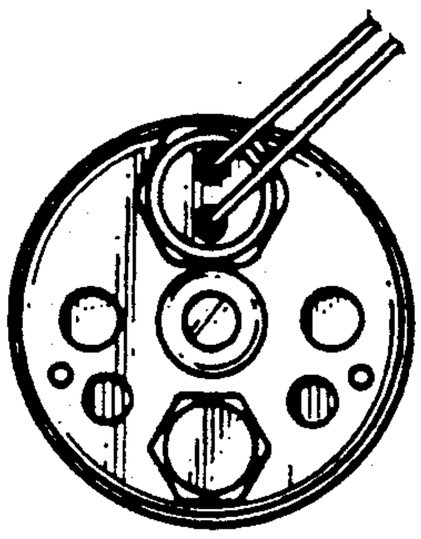

FIG.12