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(12) **United States Design Patent**  
**Hayashi et al.**

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(54) **ELECTROMAGNETIC VALVE**

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(\*\*) **Term:** **14 Years**

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(51) **LOC (7) Cl.** ..... **23-01**

(52) **U.S. Cl.** ..... **D23/233**

(58) **Field of Search** ..... **D23/233-237, D23/244-249; D15/199; 137/554, 557, 625.64, 560, 882, 884; 4/304; 251/219, 129.04, 130, 331, 15**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D388,504 S	*	12/1997	Hayashi et al.	.....	D23/233
5,699,830 A	*	12/1997	Hayashi et al.	.....	137/554
D389,560 S		1/1998	Hayashi et al.		
D390,636 S		2/1998	Hayashi et al.		
D409,278 S		5/1999	Hayashi et al.		
D409,279 S	*	5/1999	Hayashi et al.	.....	D23/233
D409,723 S		5/1999	Hayashi et al.		
D410,521 S		6/1999	Hayashi et al.		
D410,522 S		6/1999	Hayashi et al.		
D414,246 S		9/1999	Hayashi et al.		
D414,545 S		9/1999	Hayashi et al.		

D415,255 S		10/1999	Hayashi et al.		
D415,256 S		10/1999	Hayashi et al.		
D416,309 S		11/1999	Hayashi et al.		
D417,717 S	*	12/1999	Hayashi et al.	.....	D23/233
D422,340 S	*	4/2000	Hayashi et al.	.....	D23/233
D424,166 S		5/2000	Hayashi et al.		
D426,615 S	*	6/2000	Sato et al.	.....	D23/233
D427,663 S		7/2000	Hayashi et al.		
D428,111 S		7/2000	Hayashi et al.		
D437,030 S	*	1/2001	Sato et al.	.....	D23/233
D439,634 S		3/2001	Hayashi et al.		
6,216,740 B1	*	4/2001	Hayashi et al.	.....	137/884
D458,985 S	*	6/2002	Kleffmann	.....	D23/233
6,513,547 B2	*	2/2003	Endo et al.	.....	137/560

\* cited by examiner

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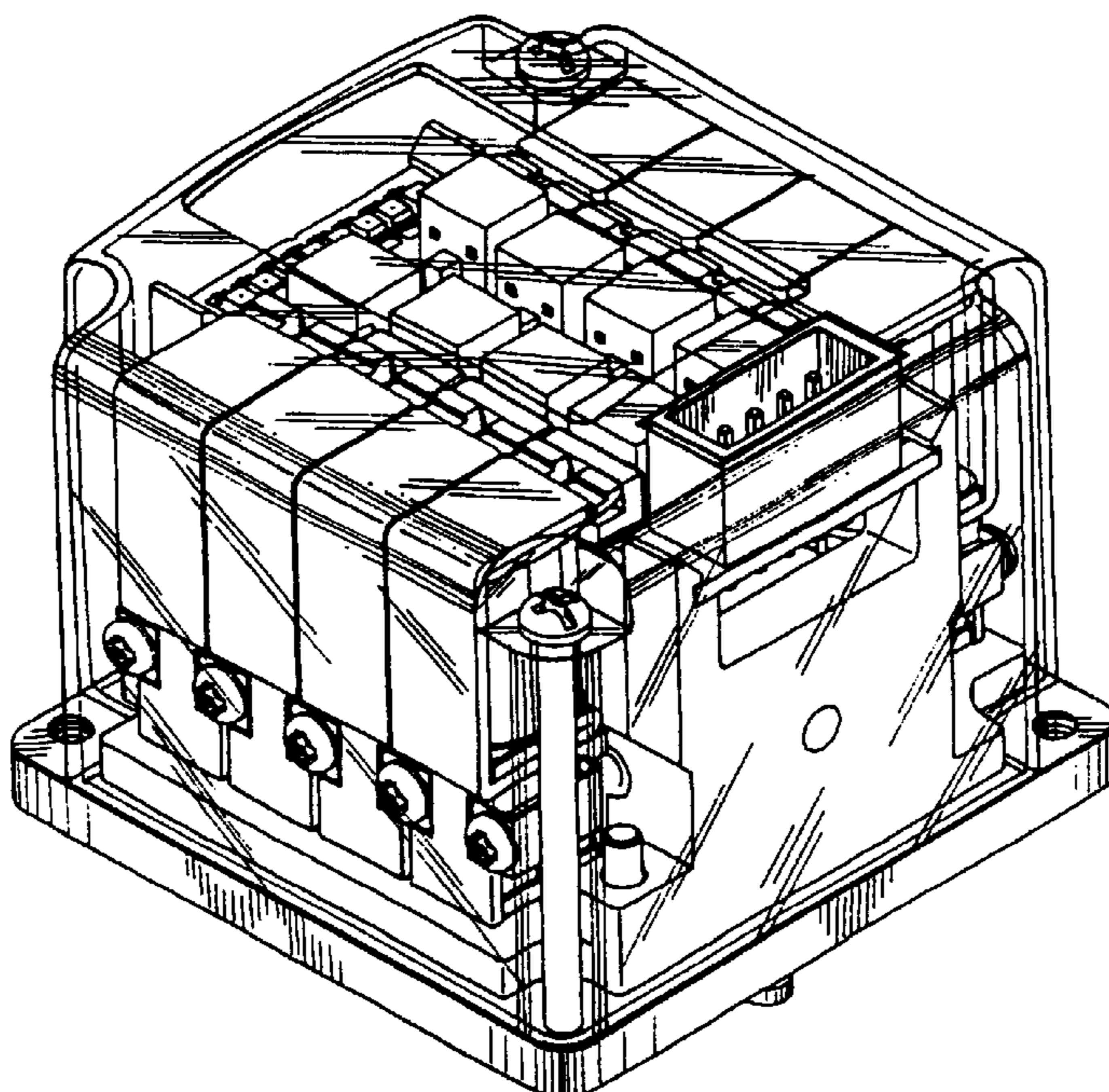
(57) **CLAIM**

The ornamental design for an electromagnetic valve, as shown and described.

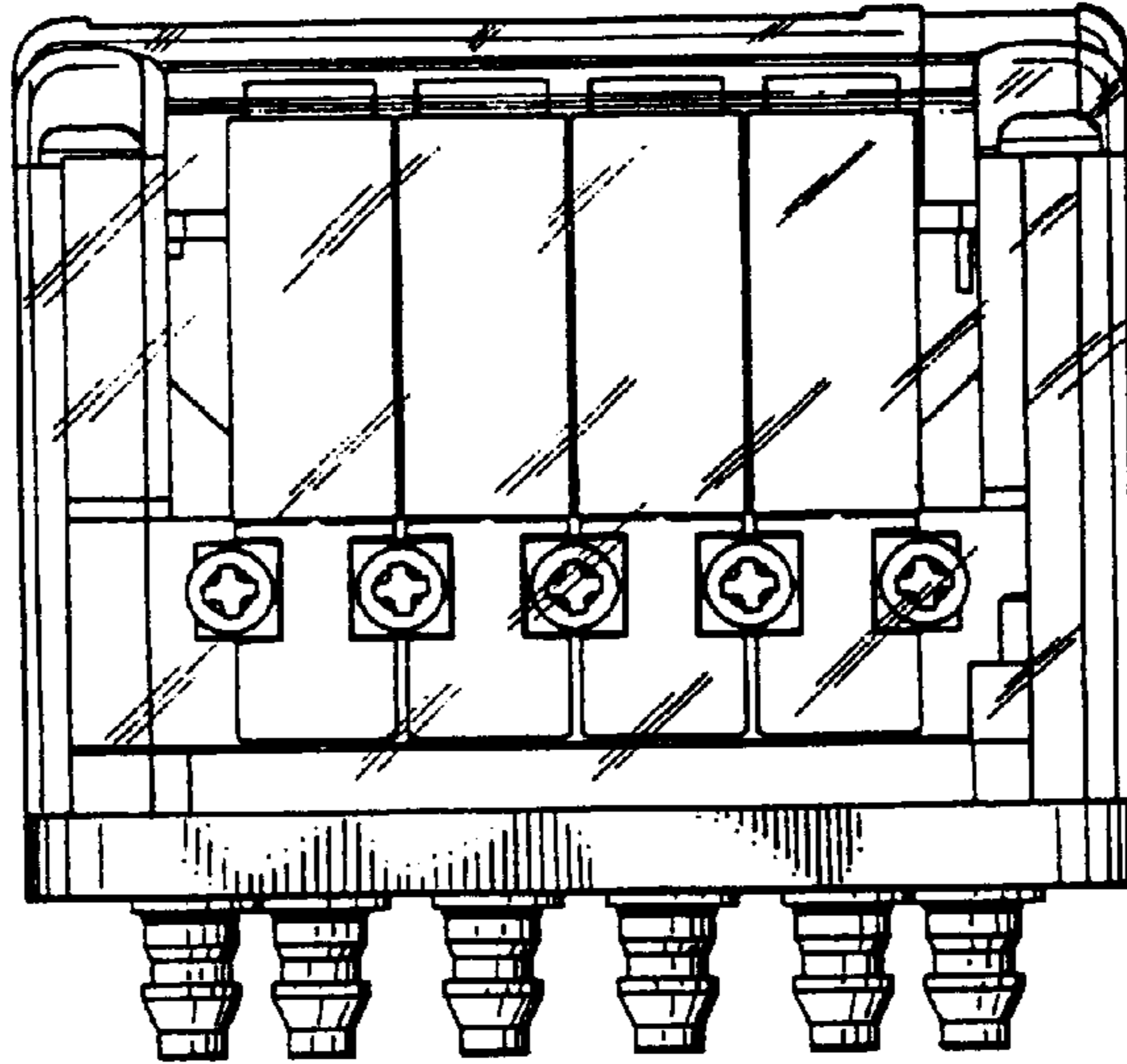
**DESCRIPTION**

FIG. 1 is a front elevational view of an electromagnetic valve, showing our new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a right side elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a top, front and left side perspective view thereof;  
and,  
FIG. 7 is a bottom, rear and right side perspective view thereof.

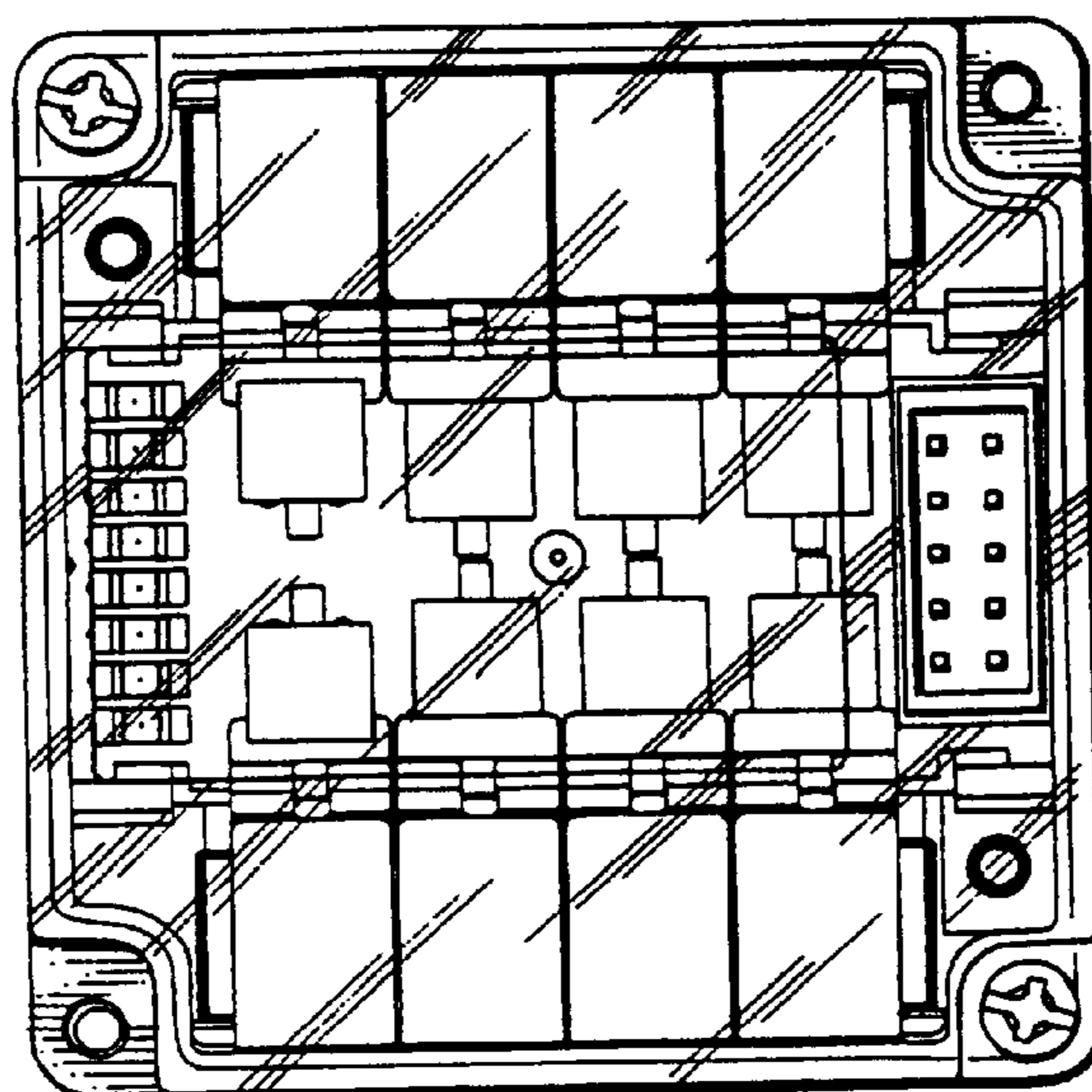
**1 Claim, 4 Drawing Sheets**



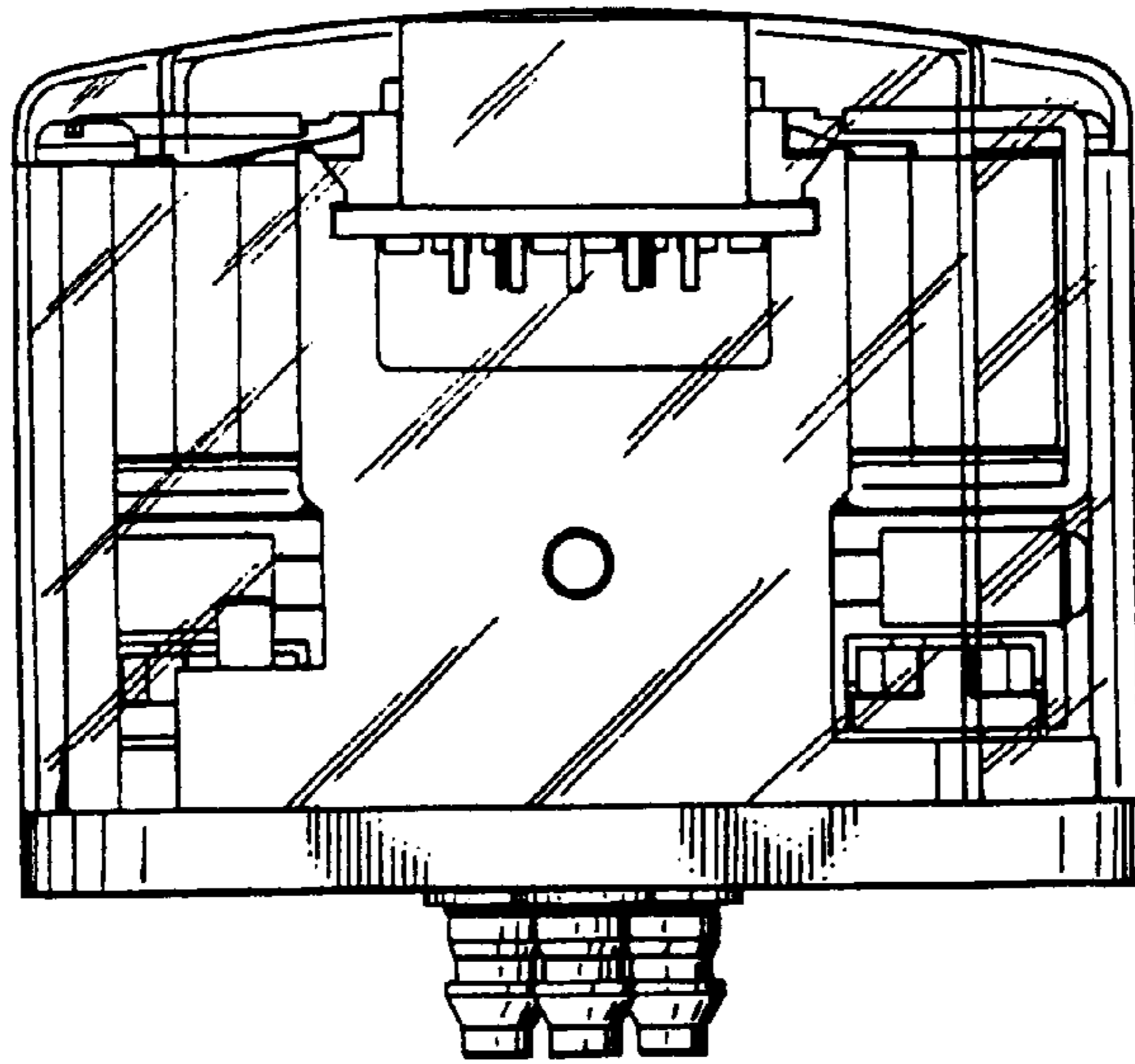
**FIG. 1**



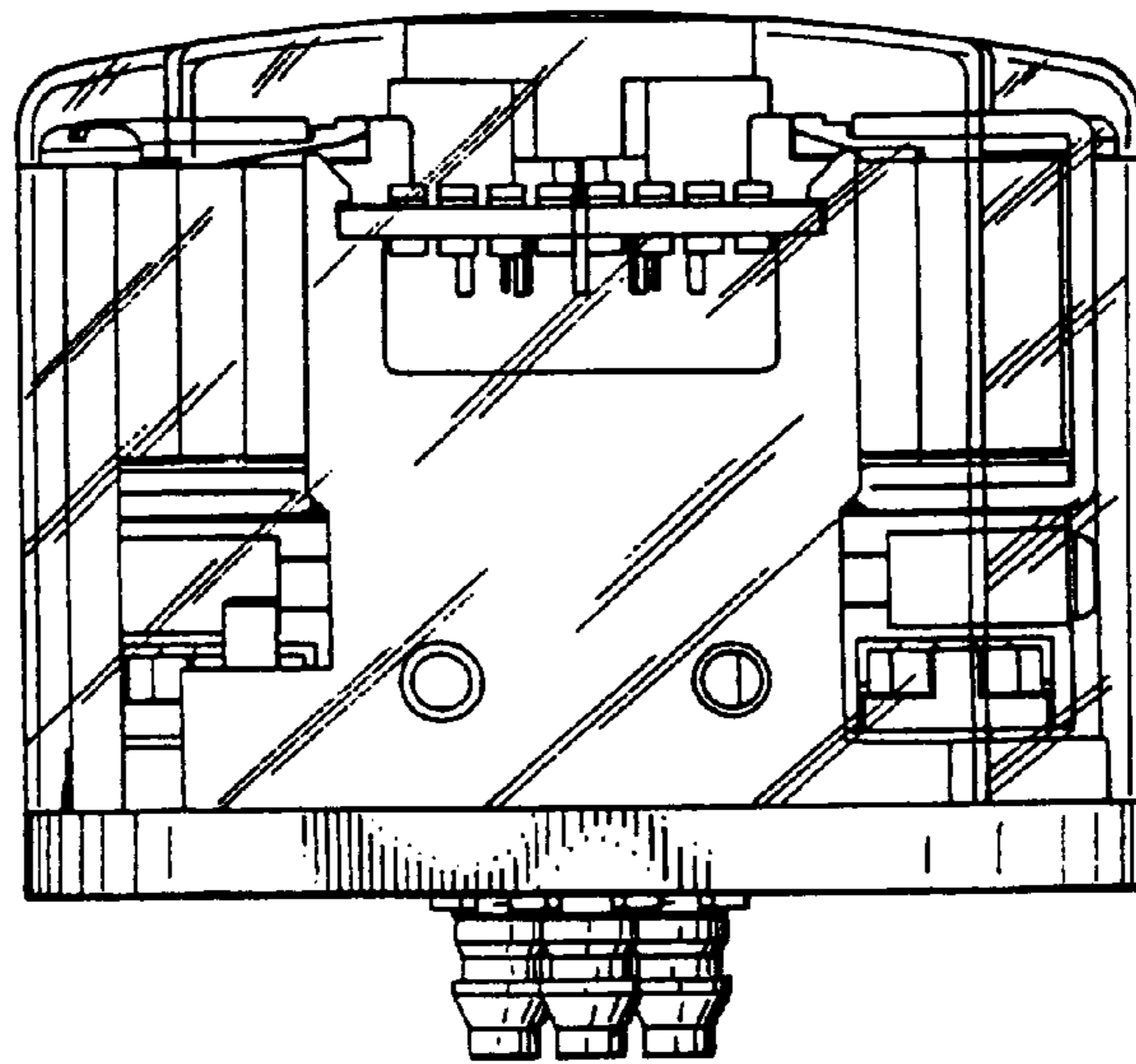
**FIG. 2**



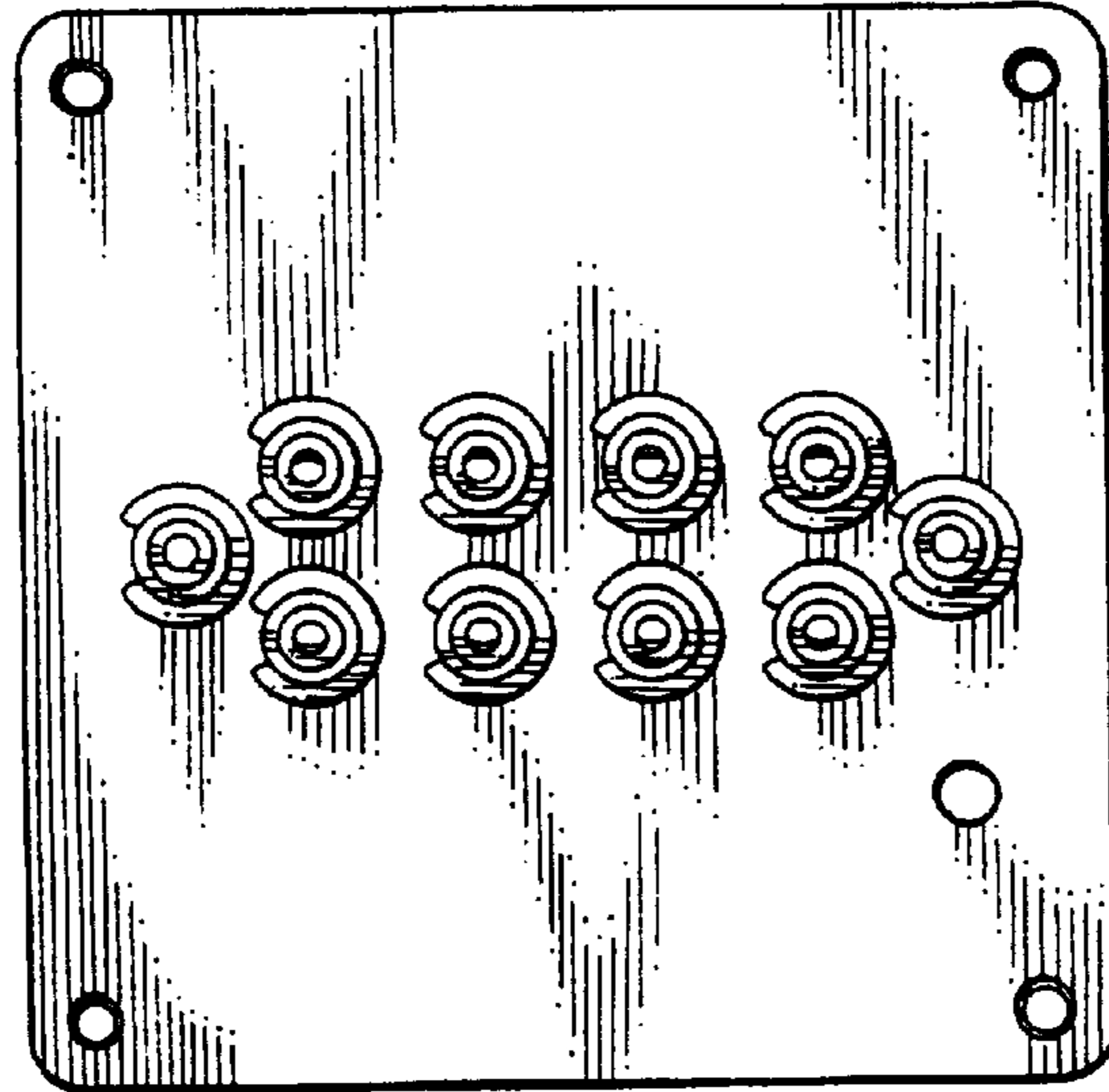
**FIG.3**



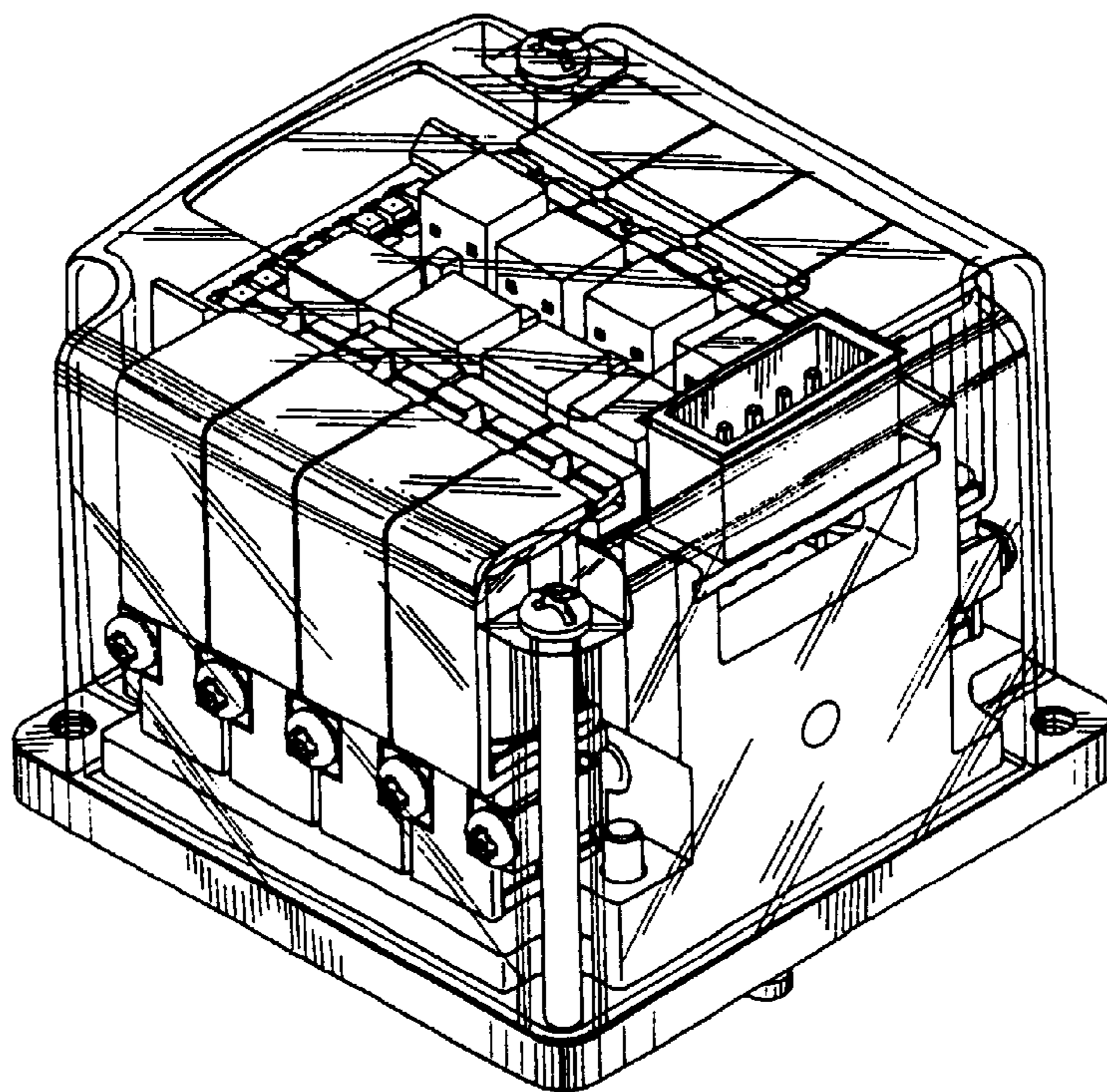
**FIG.4**



**FIG. 5**



**FIG. 6**



**FIG. 7**

