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United States Patent [19]

McDonnal

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[54] **DC TO DC CONVERTER**

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[73] Assignee: **Ro Associates**, Sunnyvale, Calif.

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

[21] Appl. No.: **815,373**

[22] Filed: **Dec. 31, 1991**

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

[58] **Field of Search** D13/110, 123, 124, 184; 361/386, 388, 392; 336/90, 92, 200; 363/15, 95; 307/150, 151; 174/52.1, 52.2

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 287,006	12/1986	Fletcher et al.	D13/184
D. 297,928	10/1988	Harpley et al.	D13/110
3,717,835	2/1973	Roadstrum	336/200 X
4,758,808	7/1988	Sasaki et al.	336/200 X
4,918,417	4/1990	Sakamoto	336/200 X
4,949,057	8/1990	Ishizaka et al.	336/200 X
5,075,821	12/1991	McDonnal	361/386

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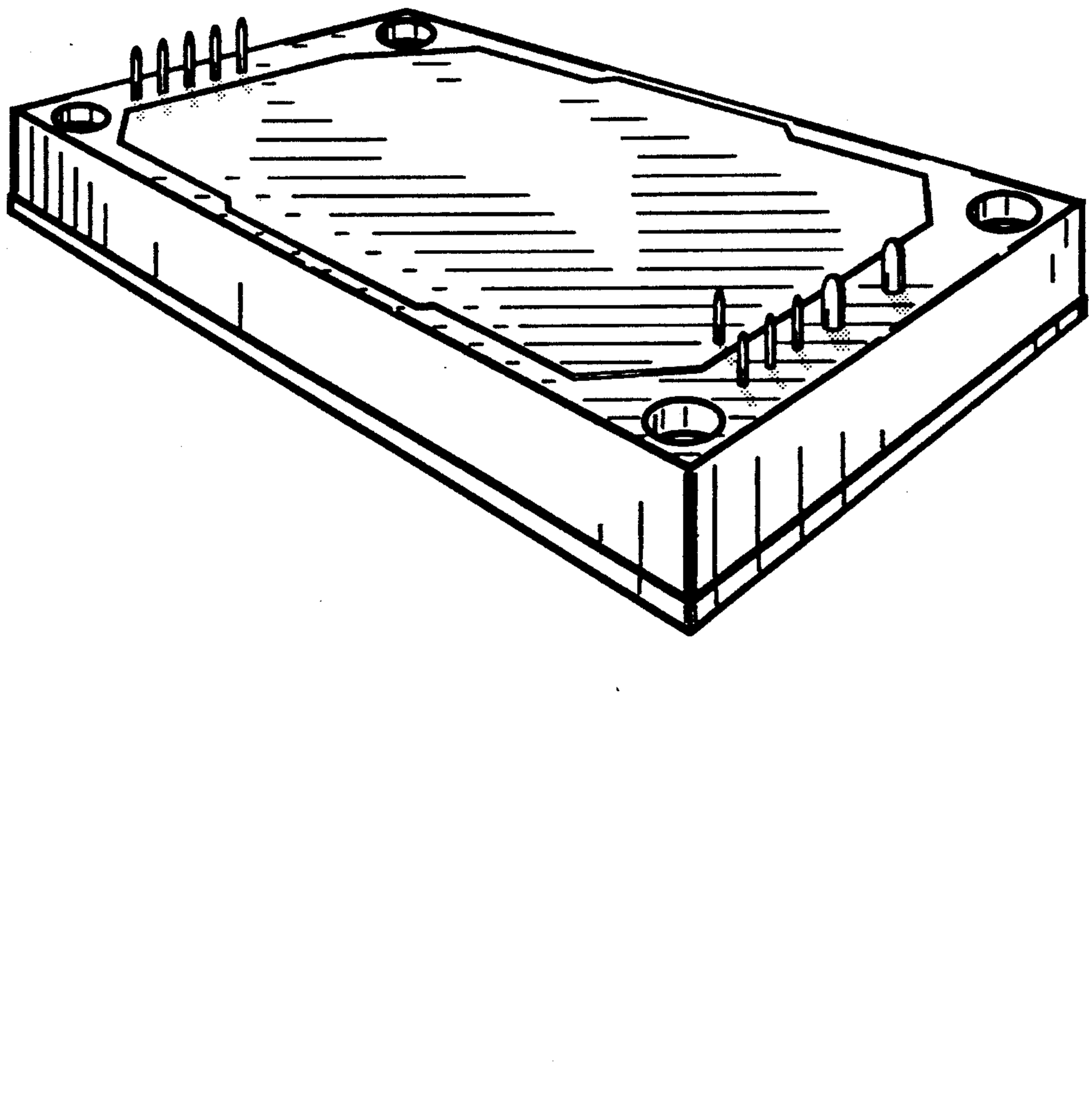
[57] **CLAIM**

The ornamental design for a DC to DC converter, as shown and described.

DESCRIPTION

FIG. **1** is a front and lower right perspective view of a DC to DC converter showing my new design;
FIG. **2** is a top plan view thereof;
FIG. **3** is a left side elevational view thereof, the right side elevational view thereof being a mirror image; and,
FIG. **4** is a bottom plan view thereof.



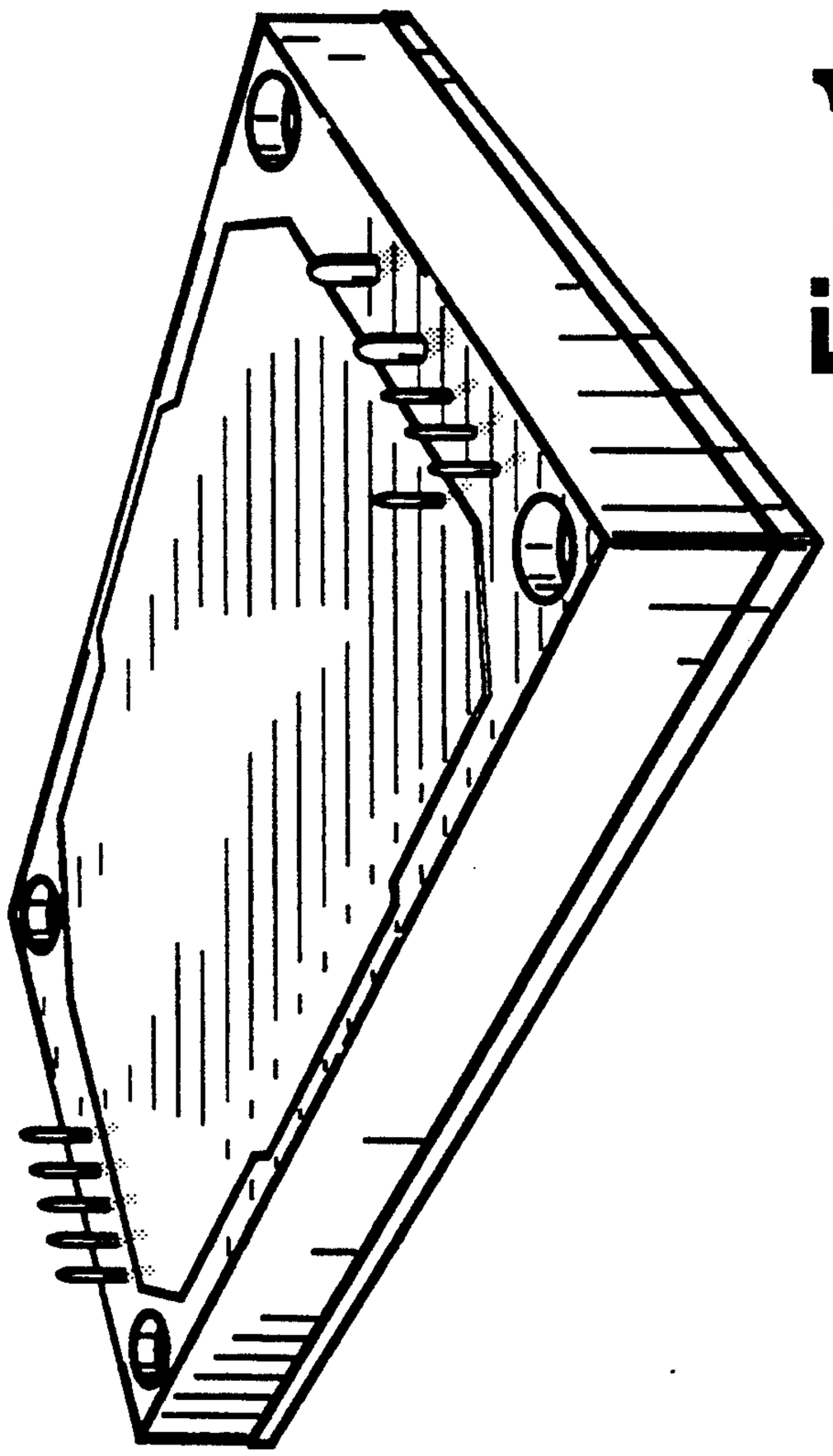


Fig. 1

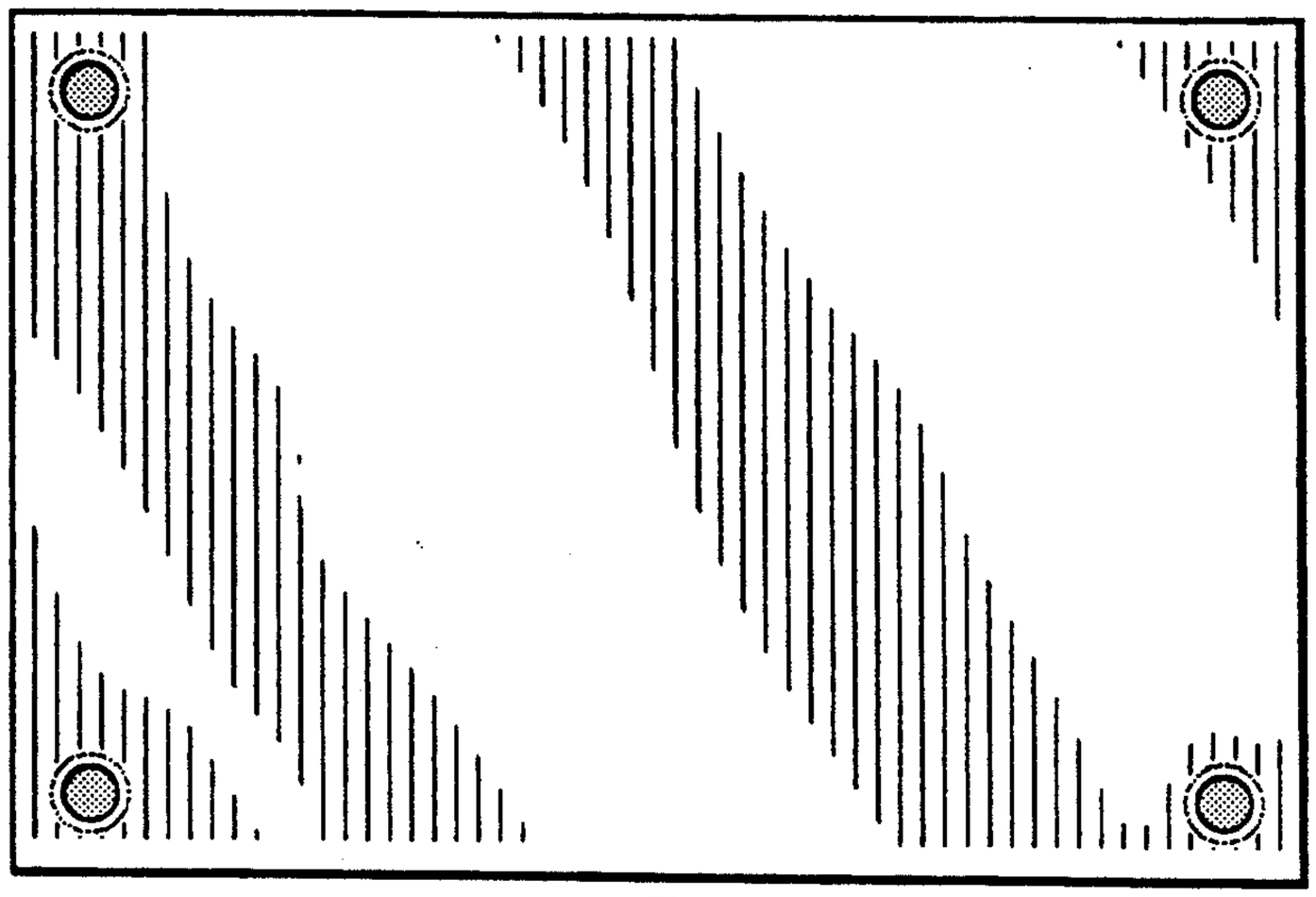


Fig. 2

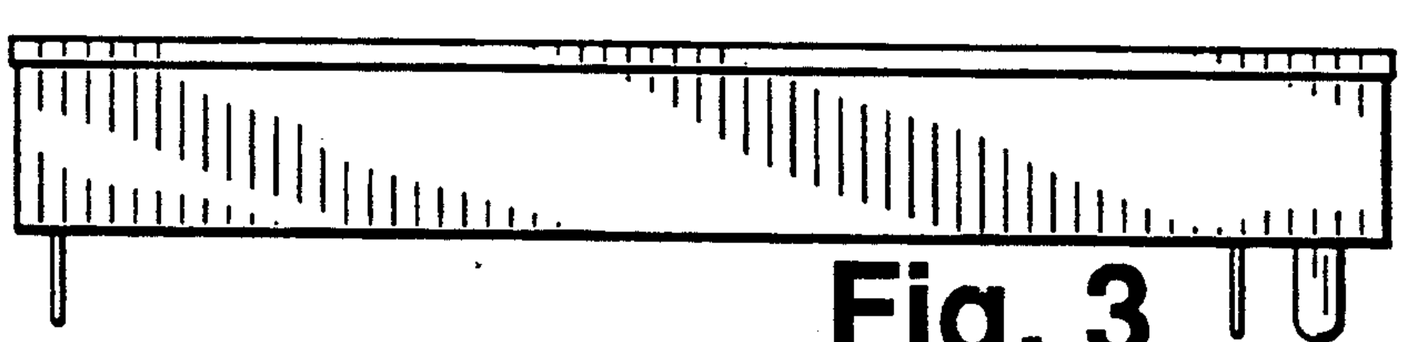


Fig. 3

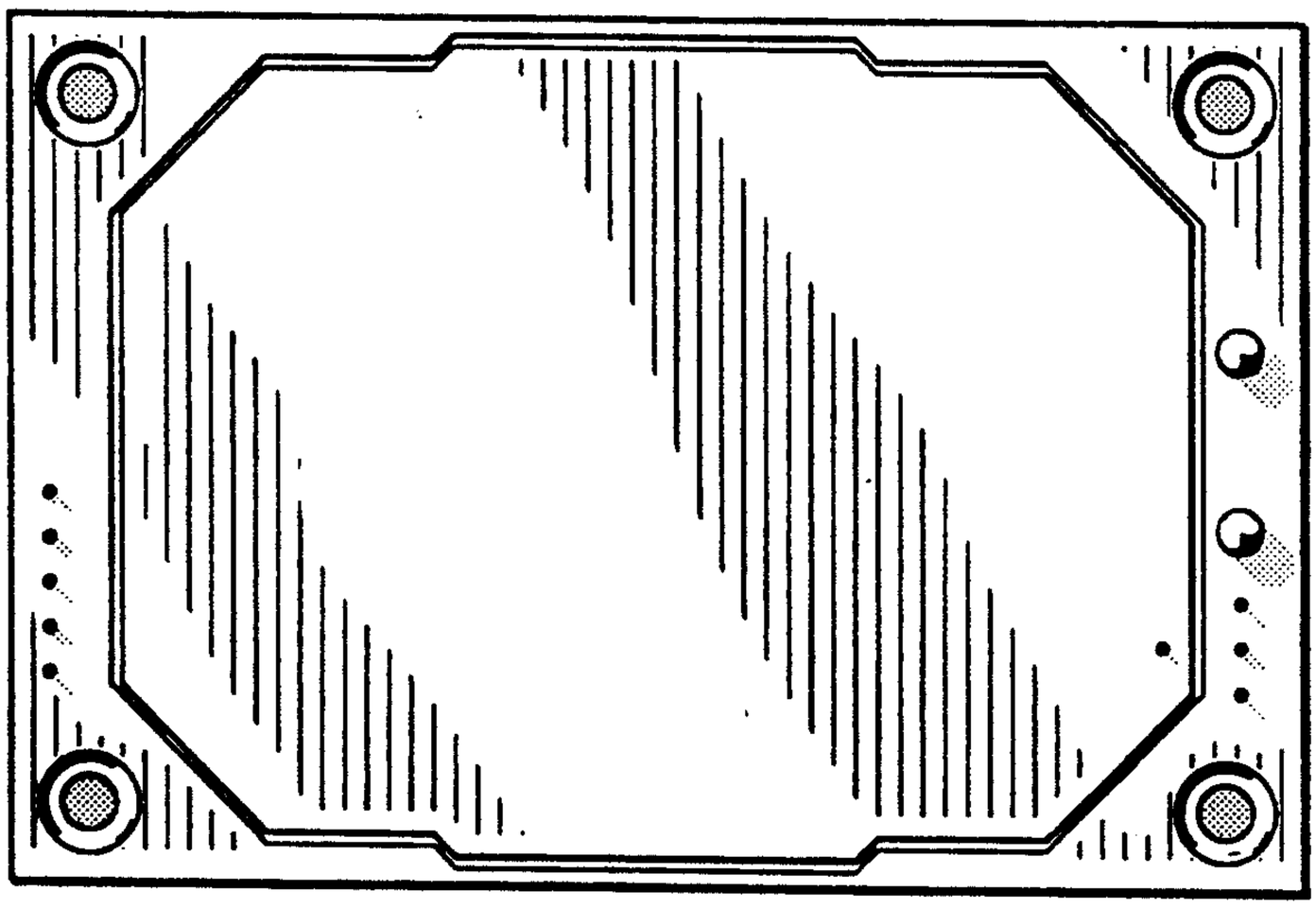


Fig. 4