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

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(54) **MINI FAN CASING**

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(73) Assignee: **Sunonwealth Electric Machine Industry Co., Ltd.**, Kaohsiung (TW)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/272,246**

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(30) **Foreign Application Priority Data**

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(51) **LOC (9) Cl.** **13-03**

(52) **U.S. Cl.** **D13/179**

(58) **Field of Classification Search** D13/179;
165/80.3, 104.33, 151, 122, 185; 257/706,
257/707, 718-722; 361/687, 695, 697, 700,
361/702, 704, 709, 710, 711, 719
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,297,617 A * 3/1994 Herbert 165/80.3
- D356,777 S * 3/1995 Katsui et al. D13/179
- D357,900 S * 5/1995 Katsui et al. D13/179
- 5,419,780 A * 5/1995 Suski 136/205
- 5,484,262 A * 1/1996 Thomas et al. 415/178

- 5,494,098 A * 2/1996 Morosas 165/121
- 5,597,034 A * 1/1997 Barker et al. 165/80.3
- 5,704,419 A * 1/1998 Agonafer et al. 165/121
- 6,084,328 A * 7/2000 Yamashita et al. 310/90
- 6,157,104 A * 12/2000 Yokozawa et al. 310/58
- 6,309,190 B1 * 10/2001 Chen 417/423.1
- 6,345,664 B1 * 2/2002 Katsui 165/80.3
- 6,655,929 B2 * 12/2003 Hsieh 417/368
- 7,021,906 B2 * 4/2006 Chang 417/360
- 7,044,721 B2 * 5/2006 Horng et al. 417/423.7
- 2003/0015311 A1 * 1/2003 Lin et al. 165/80.3
- 2004/0124735 A1 * 7/2004 Hsiao 310/257

* cited by examiner

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(57) **CLAIM**

The ornamental design for a mini fan casing, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the mini fan casing in accordance with the claimed design;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

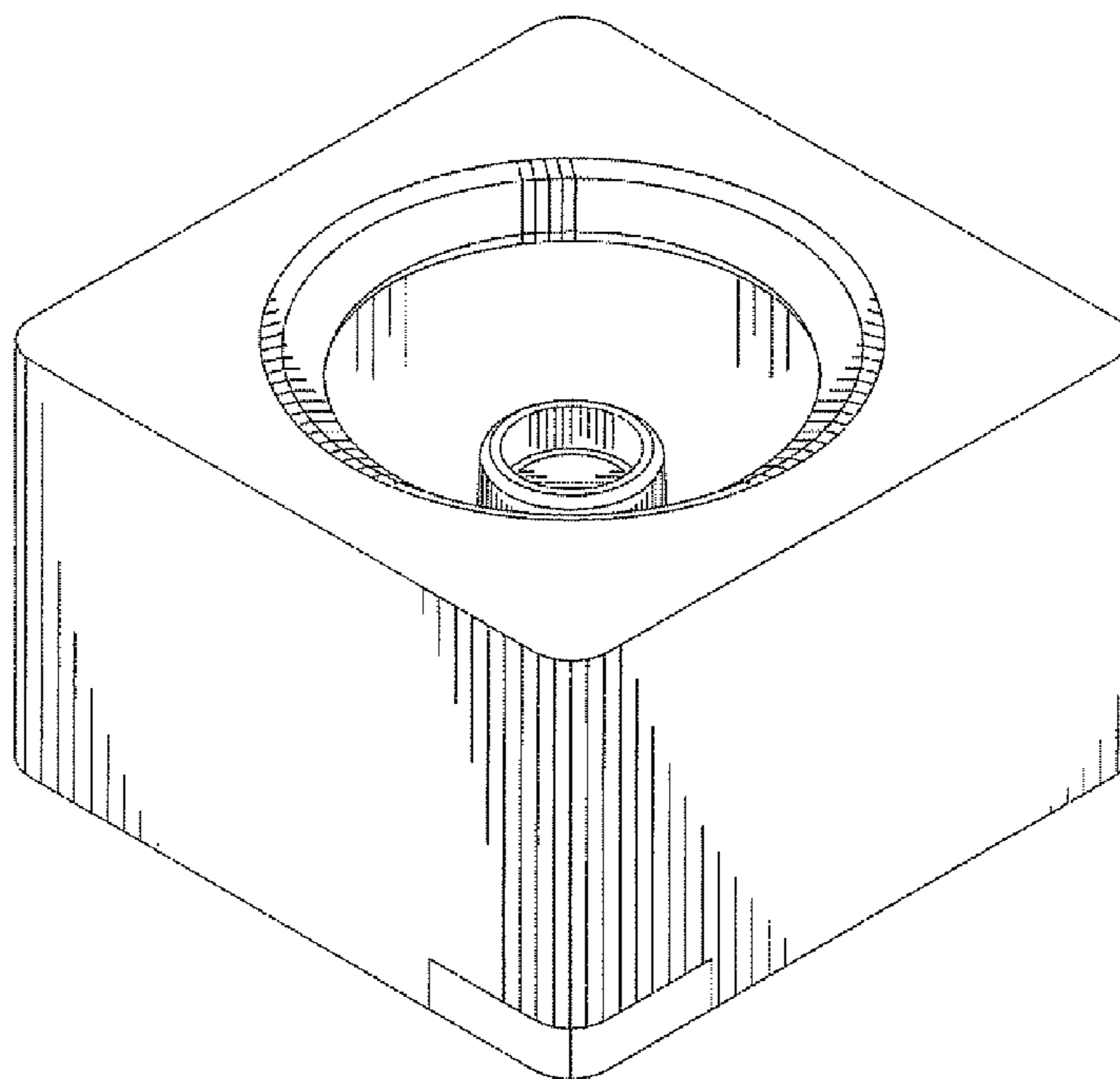
FIG. 4 is a left side elevation view thereof;

FIG. 5 is a right side elevation view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof, wherein the broken lines represent unclaimed subject matter.

1 Claim, 4 Drawing Sheets



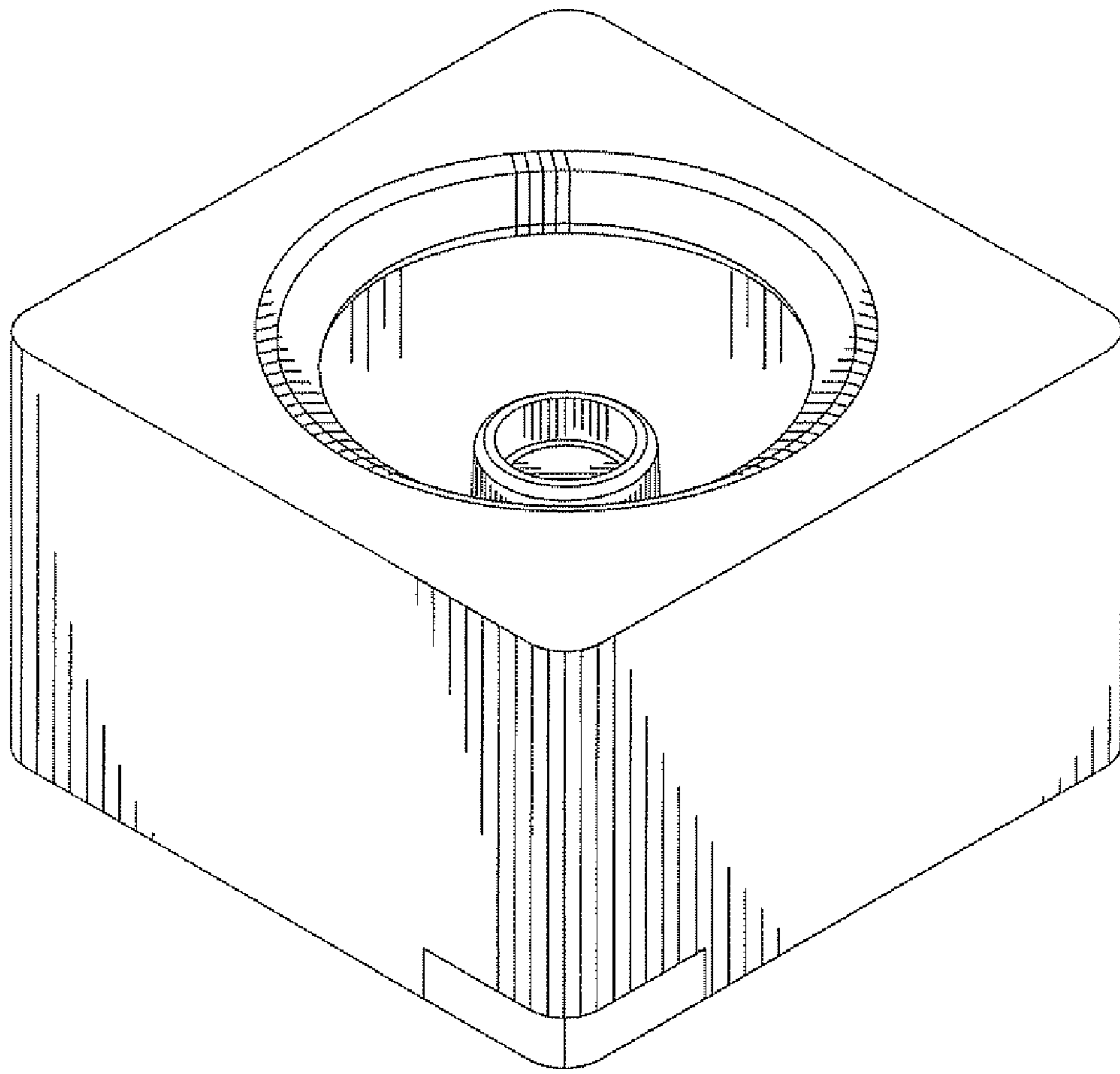


FIG. 1

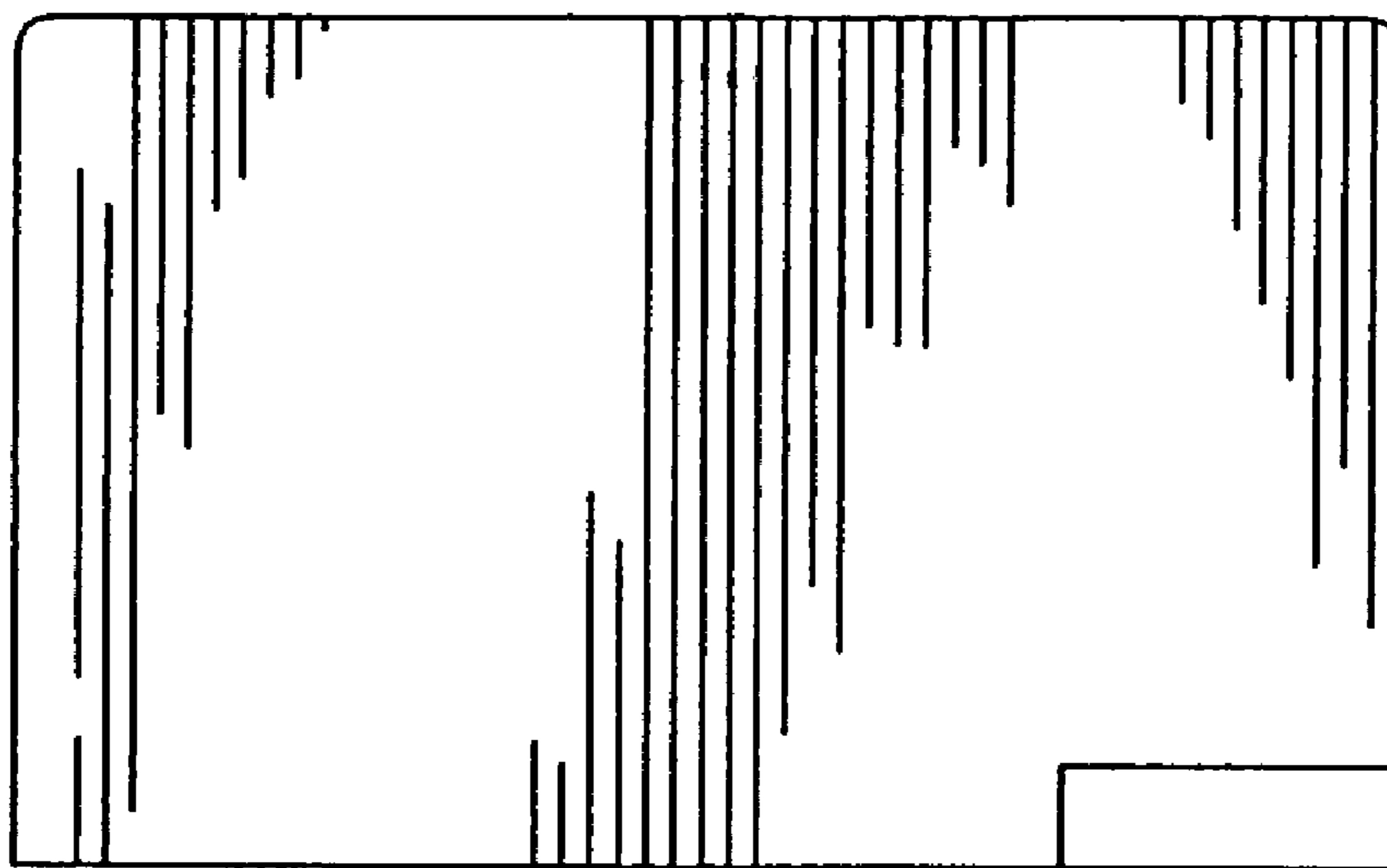


FIG. 2

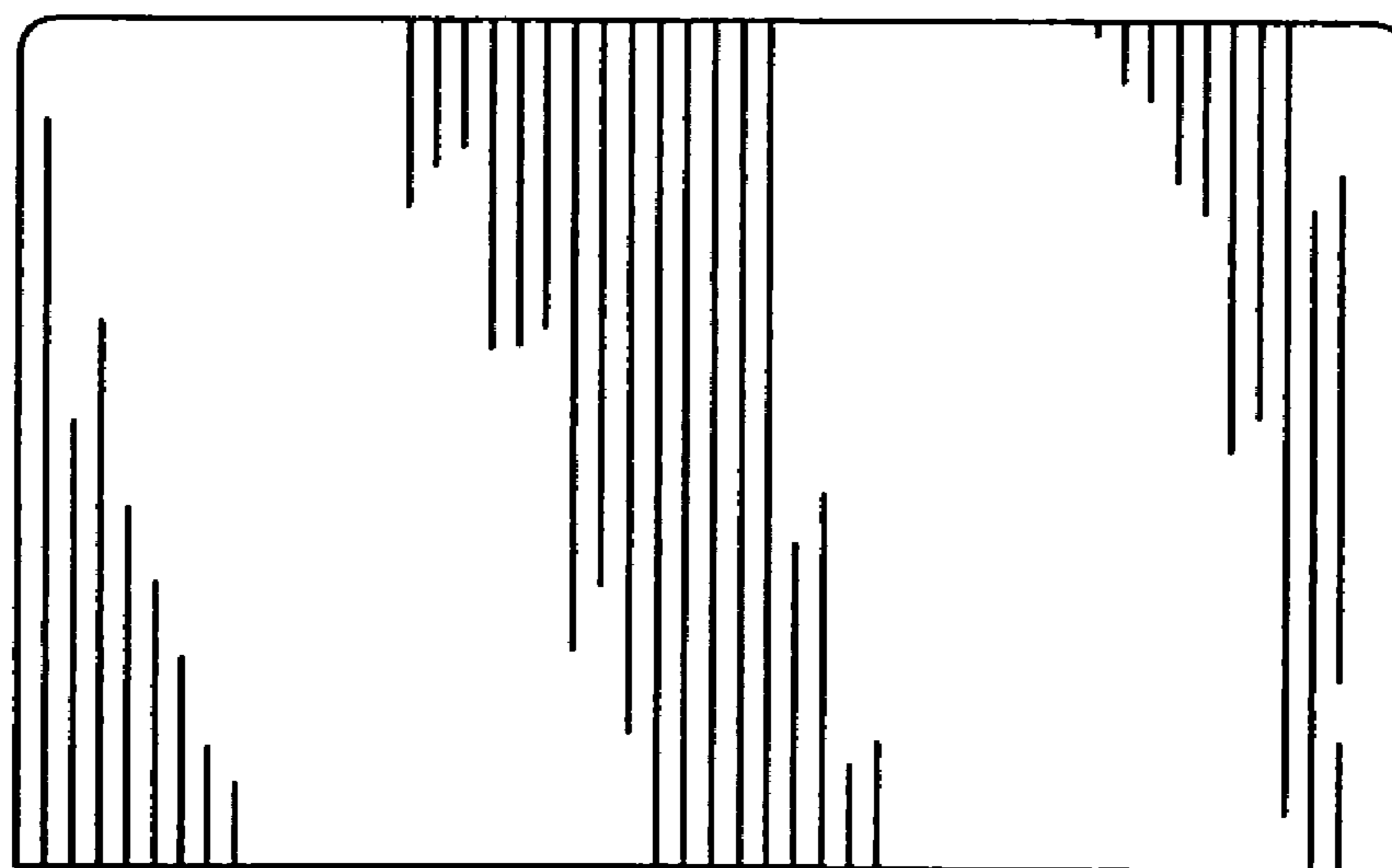


FIG. 3

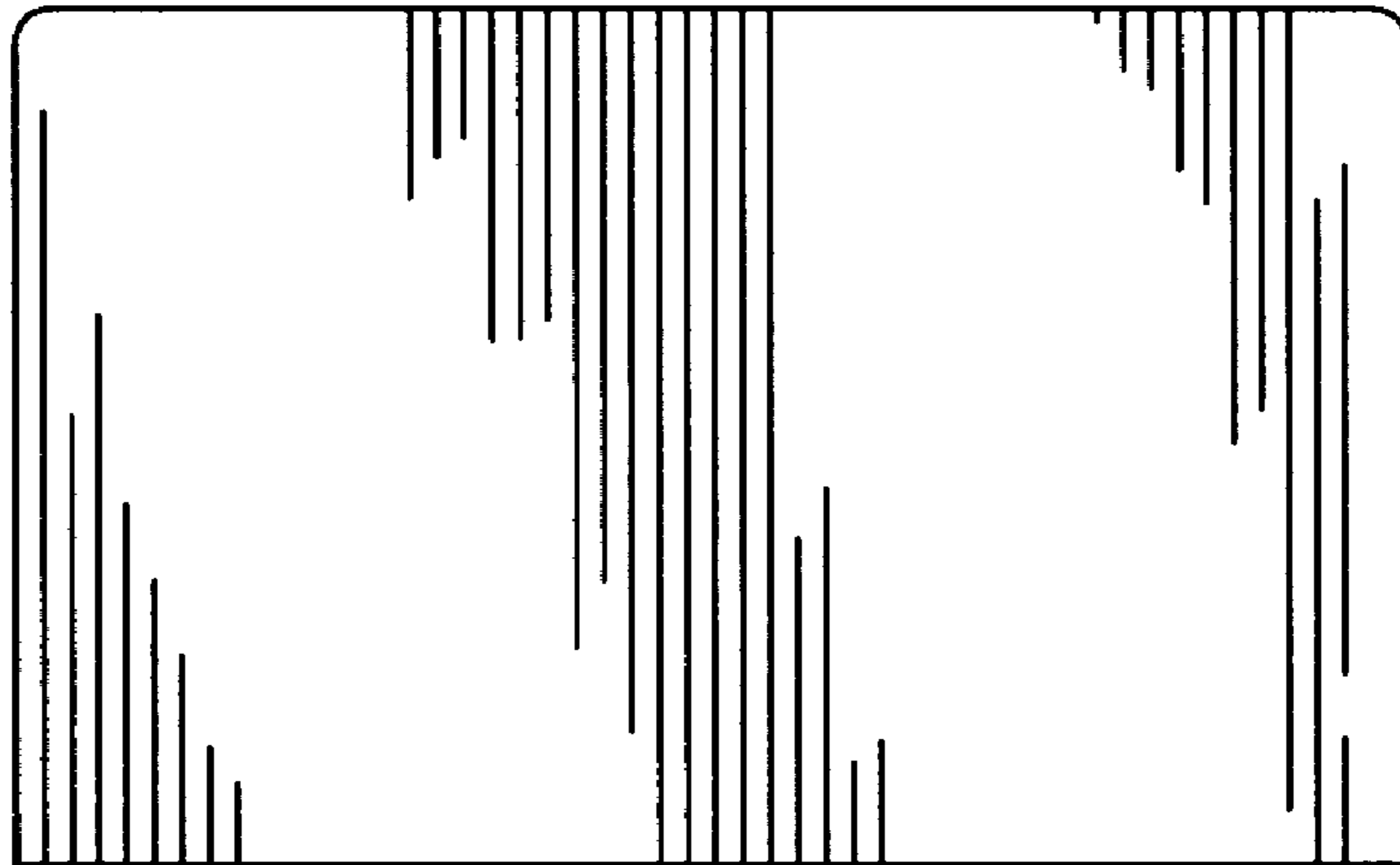


FIG. 4

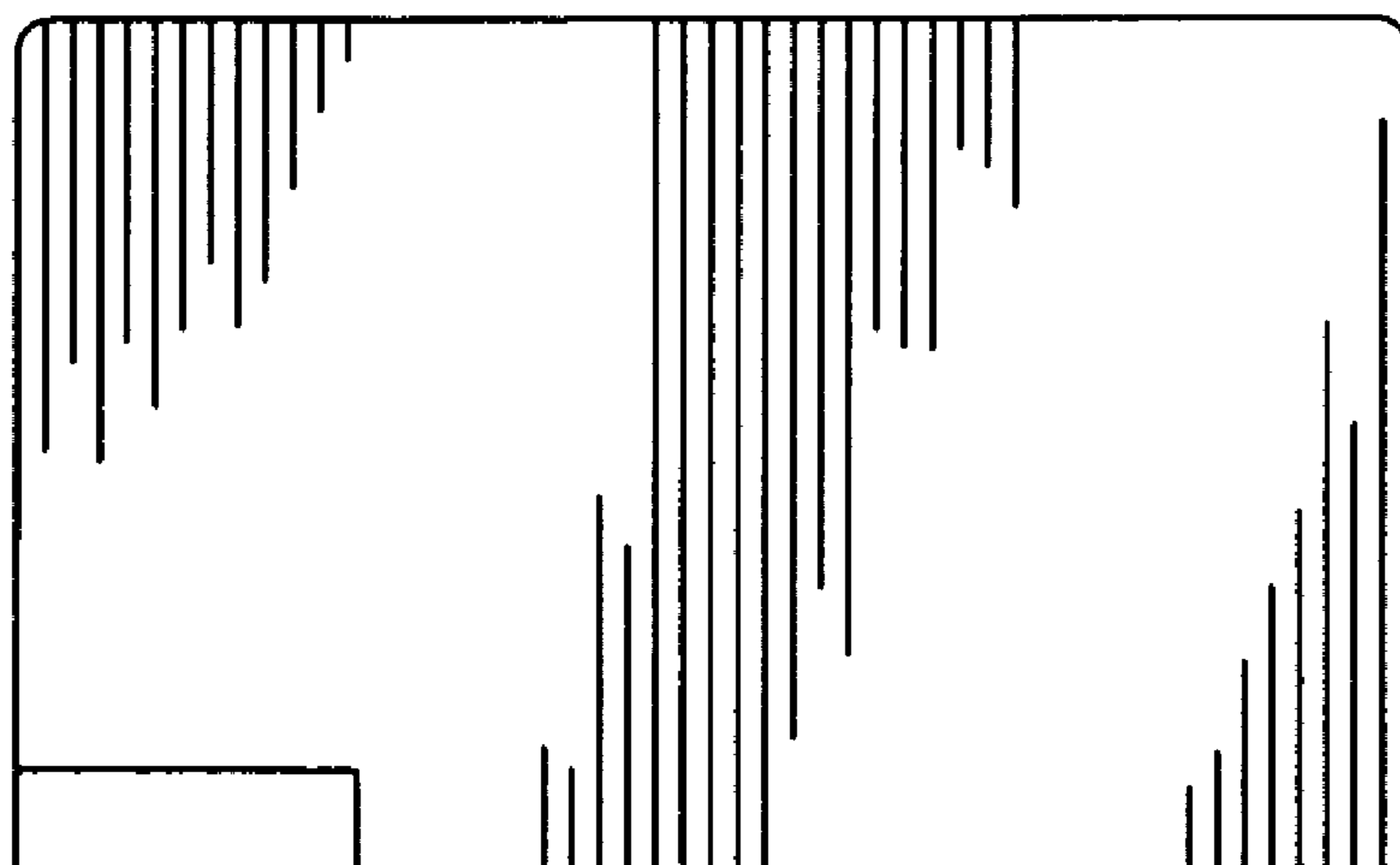


FIG. 5

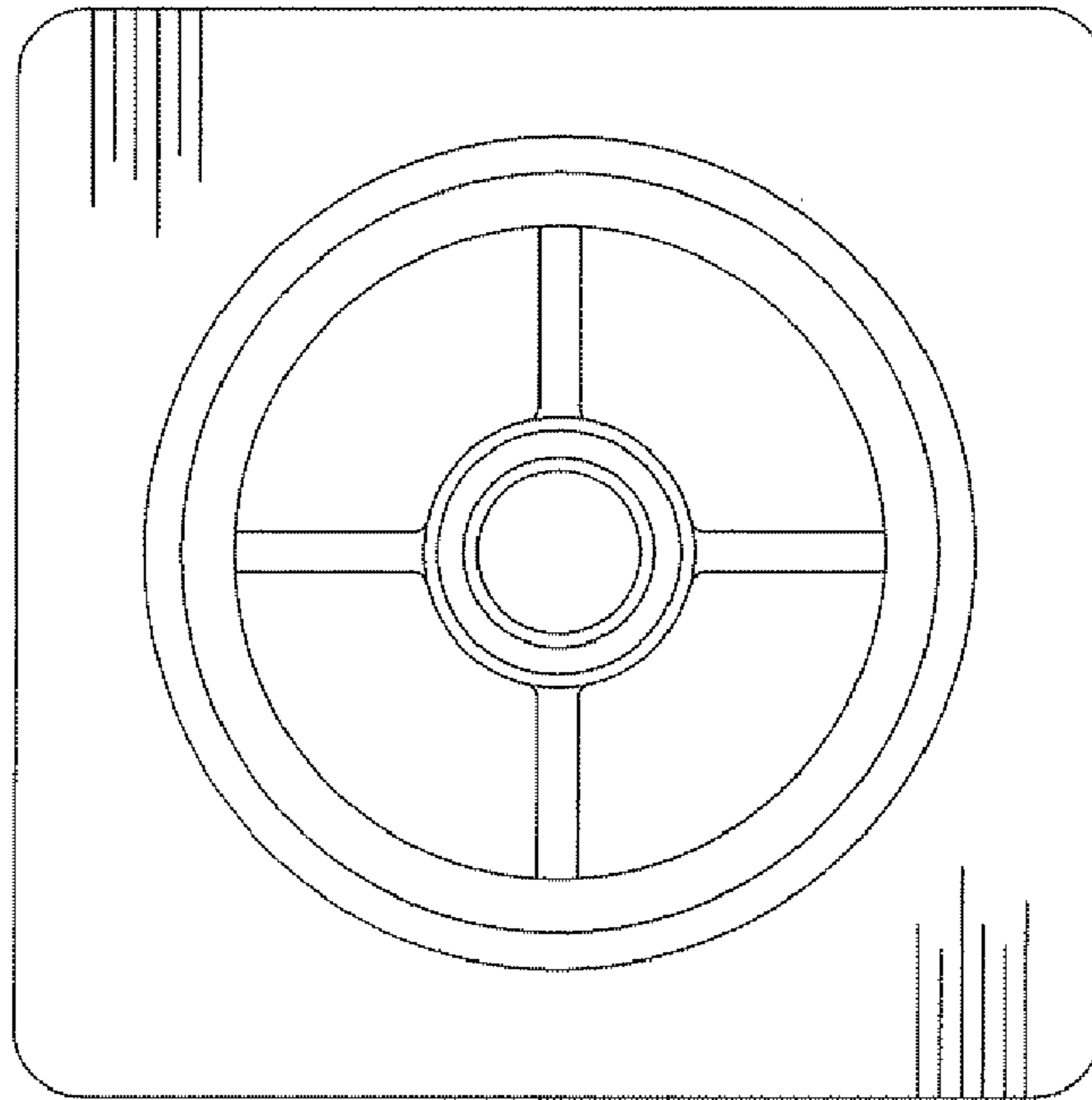


FIG. 6

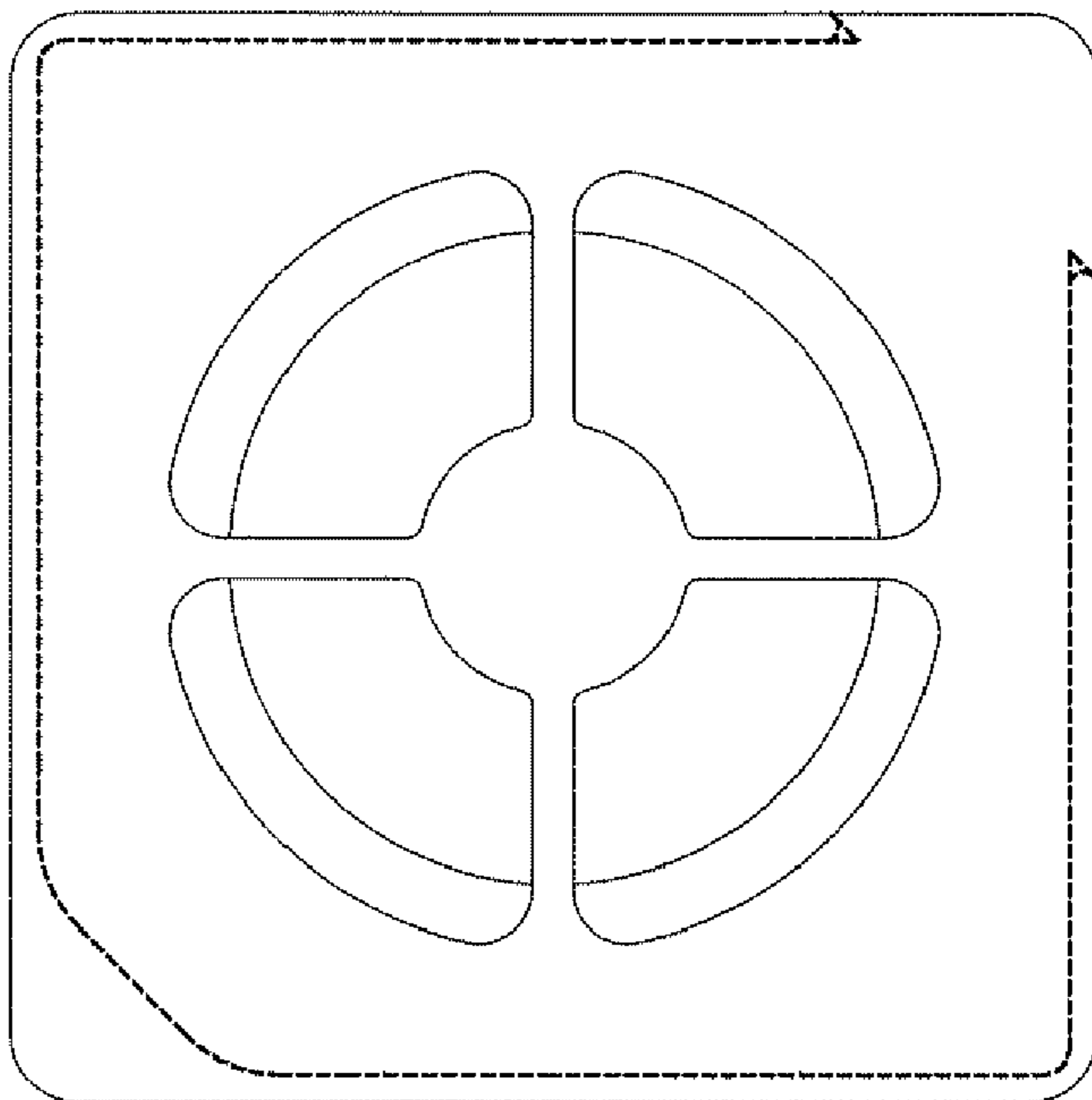


FIG. 7