



US00D516194S

(12) **United States Design Patent** (10) **Patent No.:** **US D516,194 S**  
**Oosawa et al.** (45) **Date of Patent:** **\*\* Feb. 28, 2006**

(54) **AXIAL FAN WITH DOUBLE IMPELLERS  
ROTATING IN MUTUALLY OPPOSITE  
DIRECTIONS**

JP 11-037093 2/1999

\* cited by examiner

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(57) **CLAIM**

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

The ornamental design for an axial fan with double impellers rotating in mutually opposite directions, as shown and described.

(21) Appl. No.: **29/187,661**

**DESCRIPTION**

(22) Filed: **Aug. 5, 2003**

This article relates to an axial fan with double impellers rotating in mutually opposite directions to be used for cooling an electronic component. The fan takes in air through an opening provided at one of the ends of the article in an axial direction, and discharges the air out of an opening provided at the other end of the article in the axial direction. Inside the air intake opening, an impeller having five blades is installed. Inside the air discharge opening, an impeller having four blades is installed. The impeller having five blades and the one having four blades rotate in an opposite direction to each other.

(30) **Foreign Application Priority Data**

Apr. 26, 2003 (JP) ..... 2003-015559

(51) **LOC (8) Cl.** ..... **23-04**

(52) **U.S. Cl.** ..... **D23/370**

(58) **Field of Classification Search** ..... D23/370,  
D23/379, 383; 415/214.1, 213.1; 220/60,  
220/66, 68

See application file for complete search history.

FIG. 1 is a front view of our new design.

FIG. 2 is a rear view thereof.

FIG. 3 is a right side view thereof.

FIG. 4 is a left side view thereof.

FIG. 5 is a top plan view thereof.

FIG. 6 is a bottom plan view thereof.

FIG. 7 is a perspective view as viewed from the front of our new design; and,

FIG. 8 is a perspective view as viewed from the rear of our new design.

(56) **References Cited**

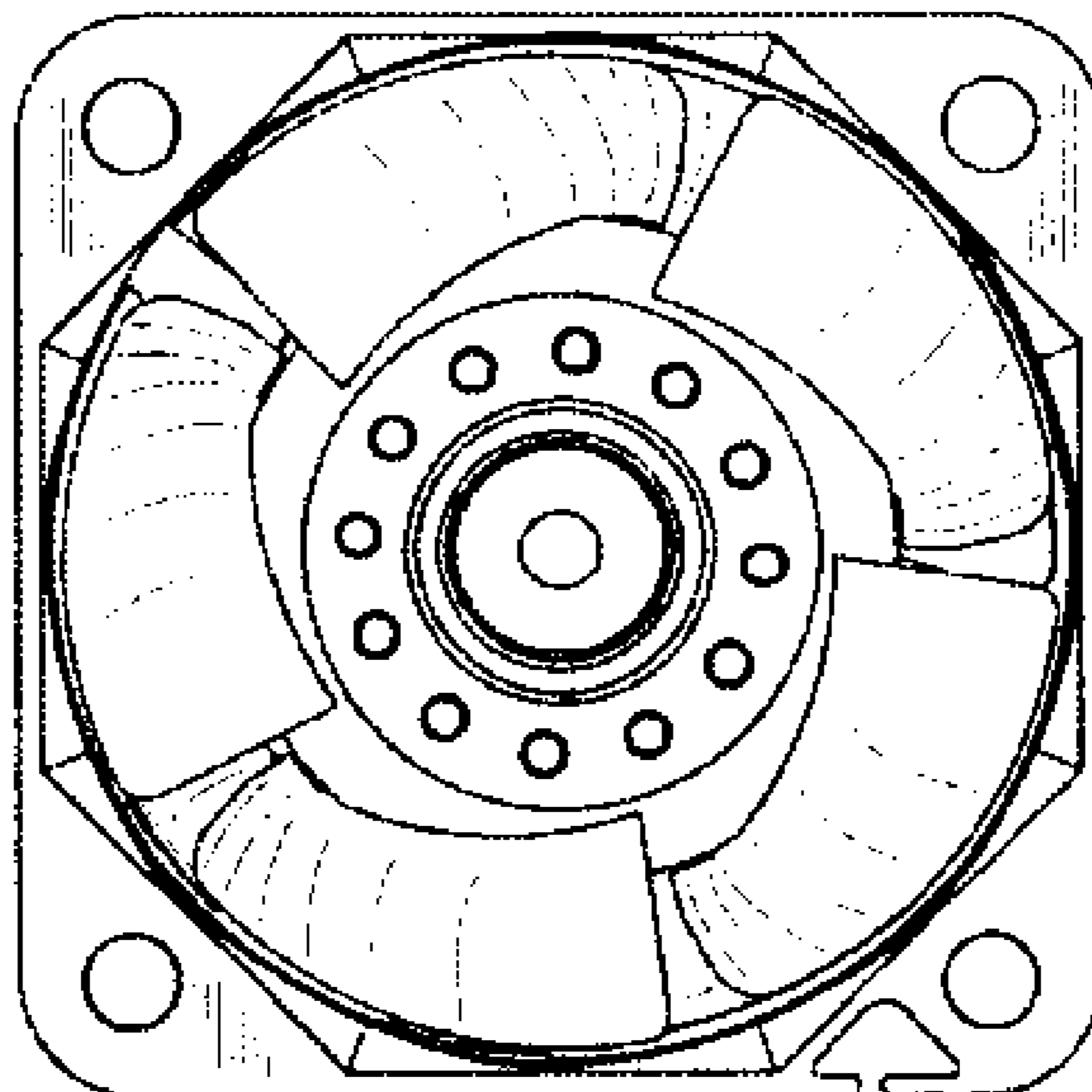
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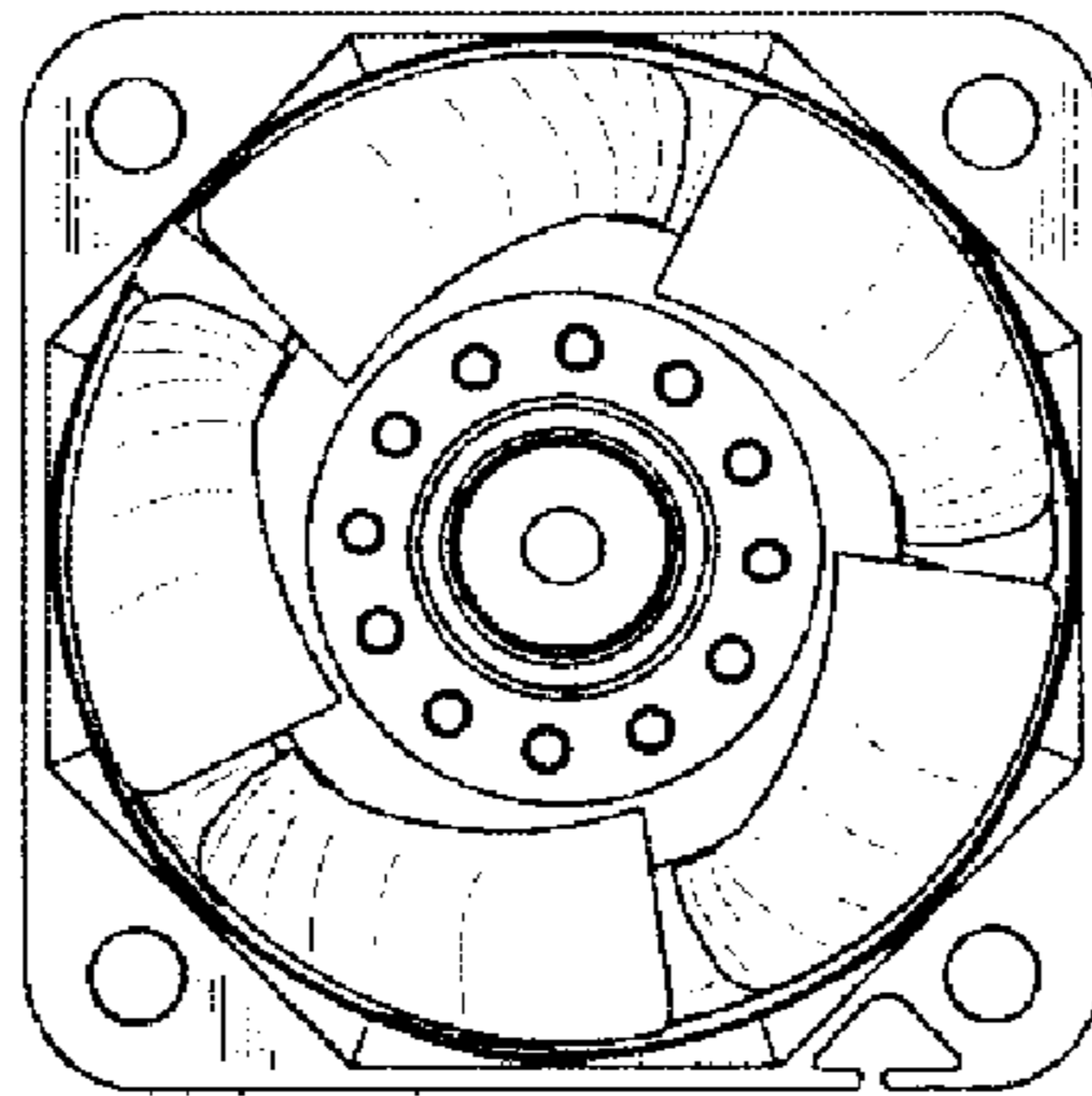
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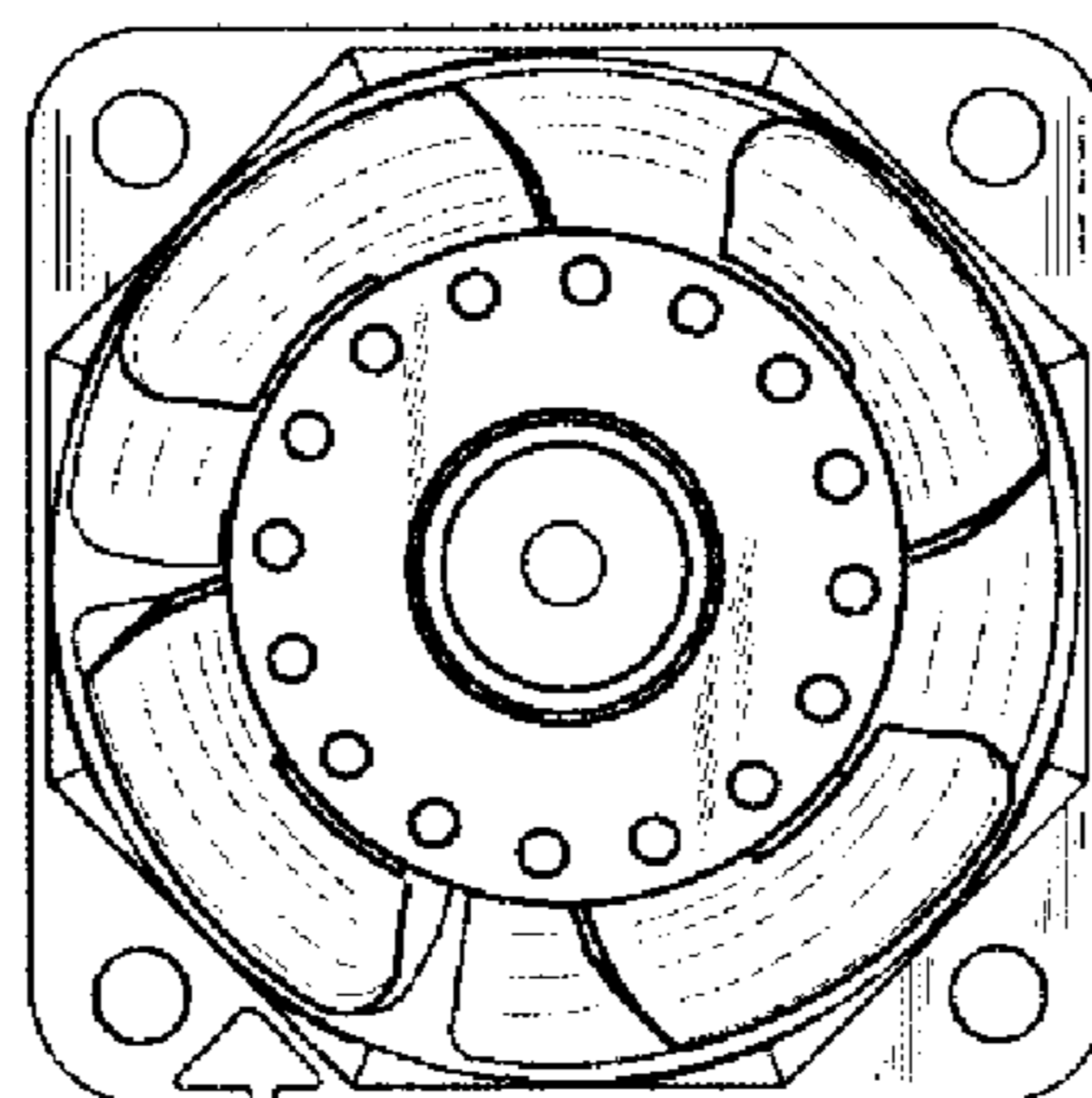
**1 Claim, 4 Drawing Sheets**



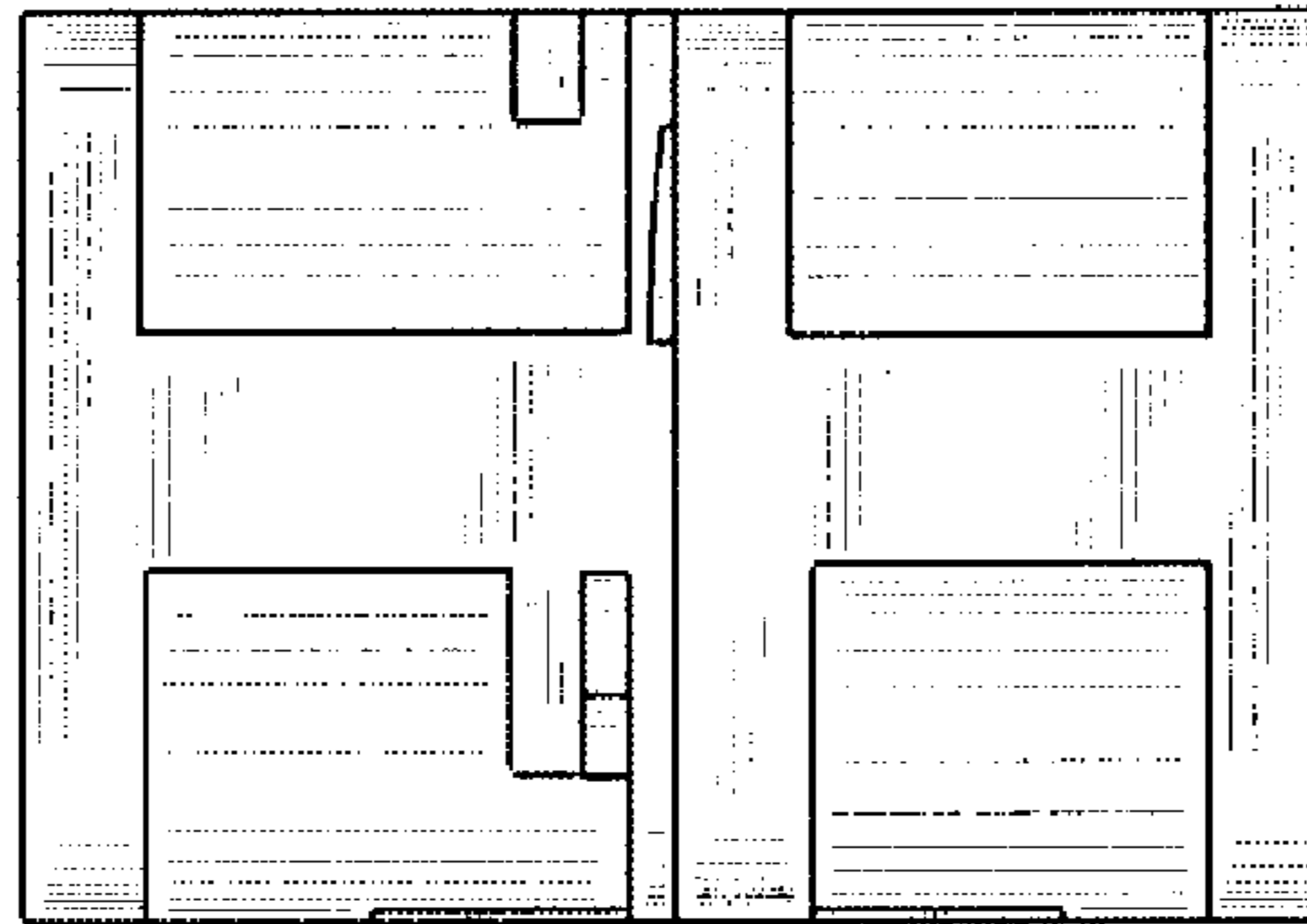
*Fig.1*



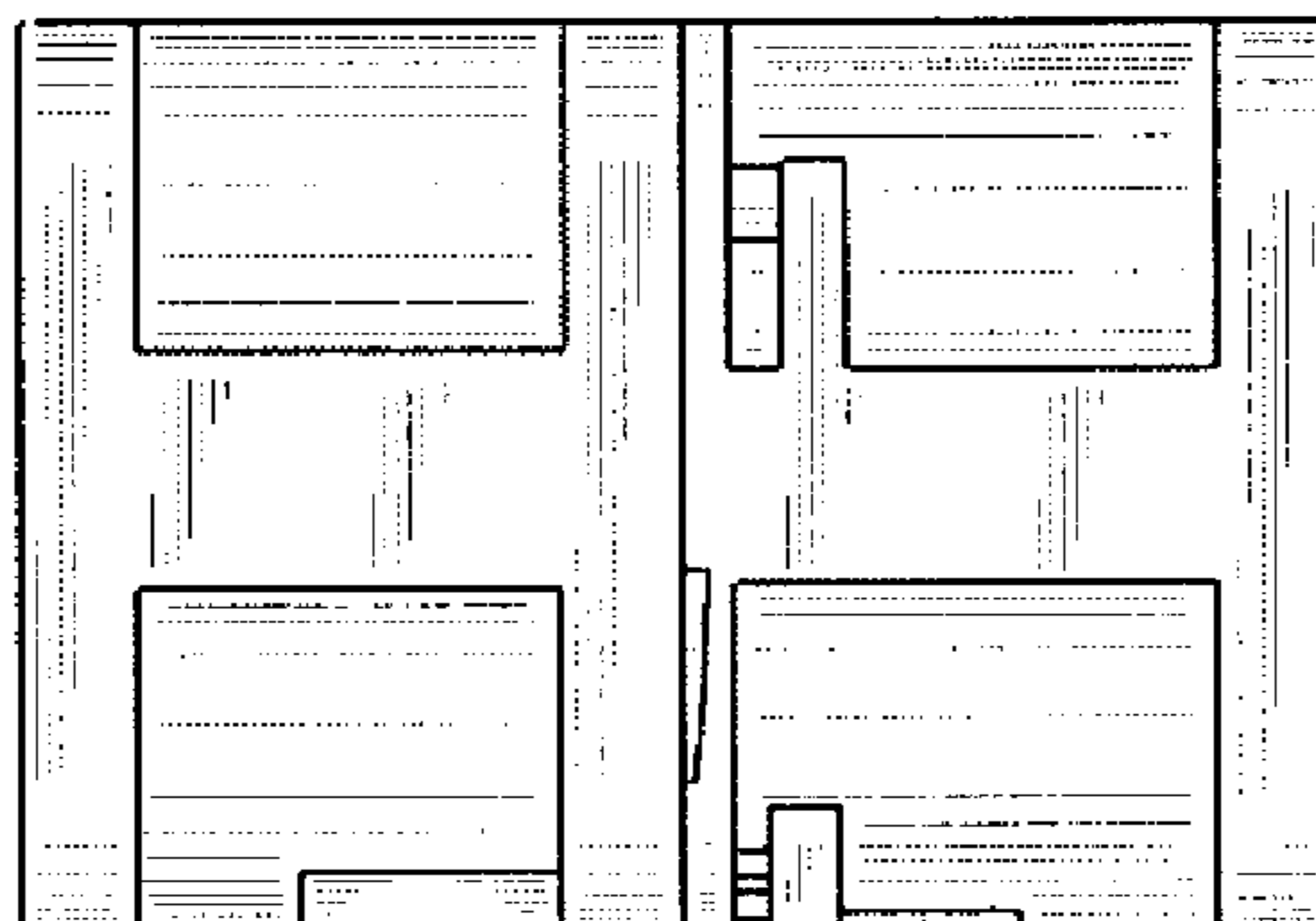
*Fig.2*



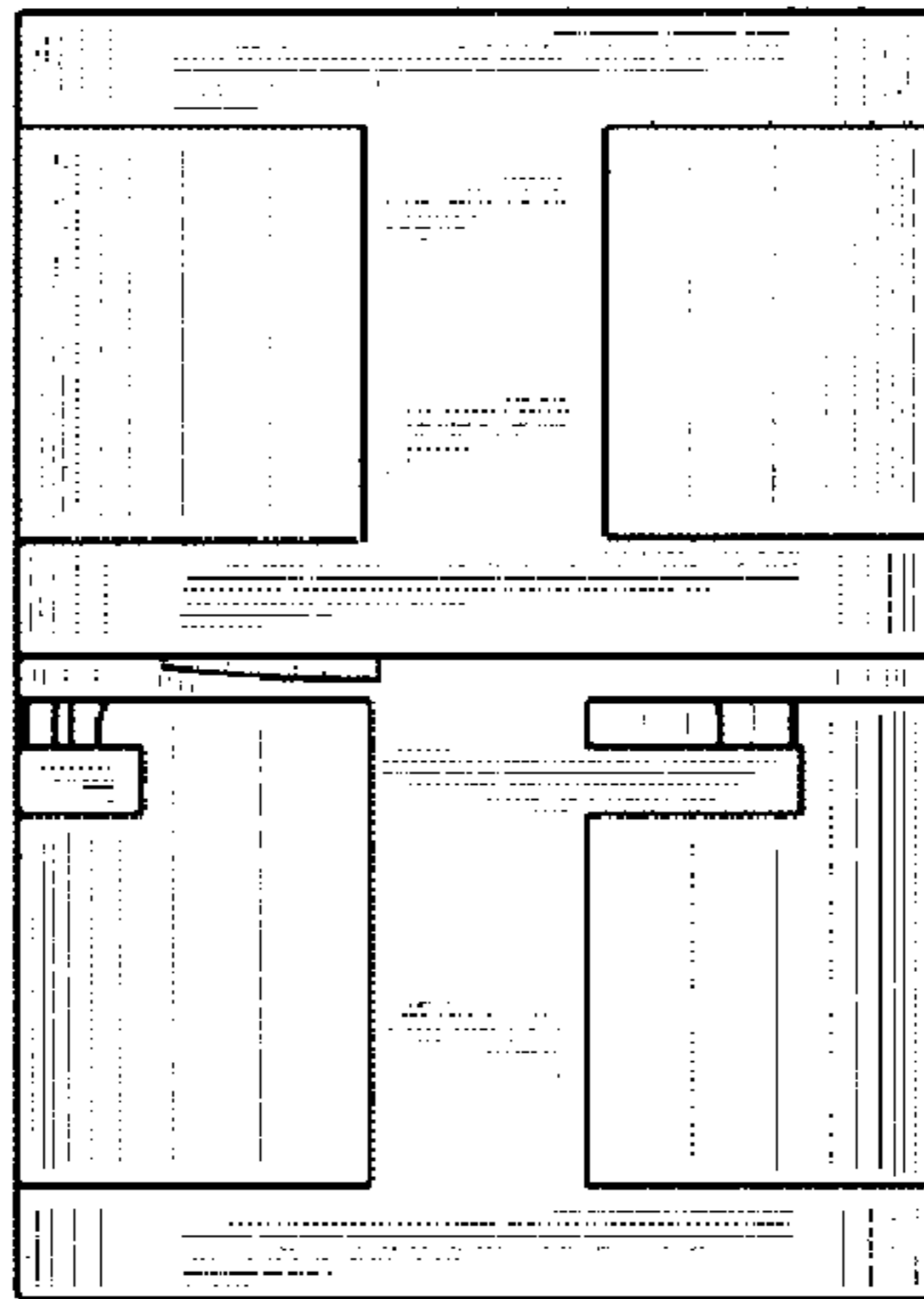
*Fig.3*



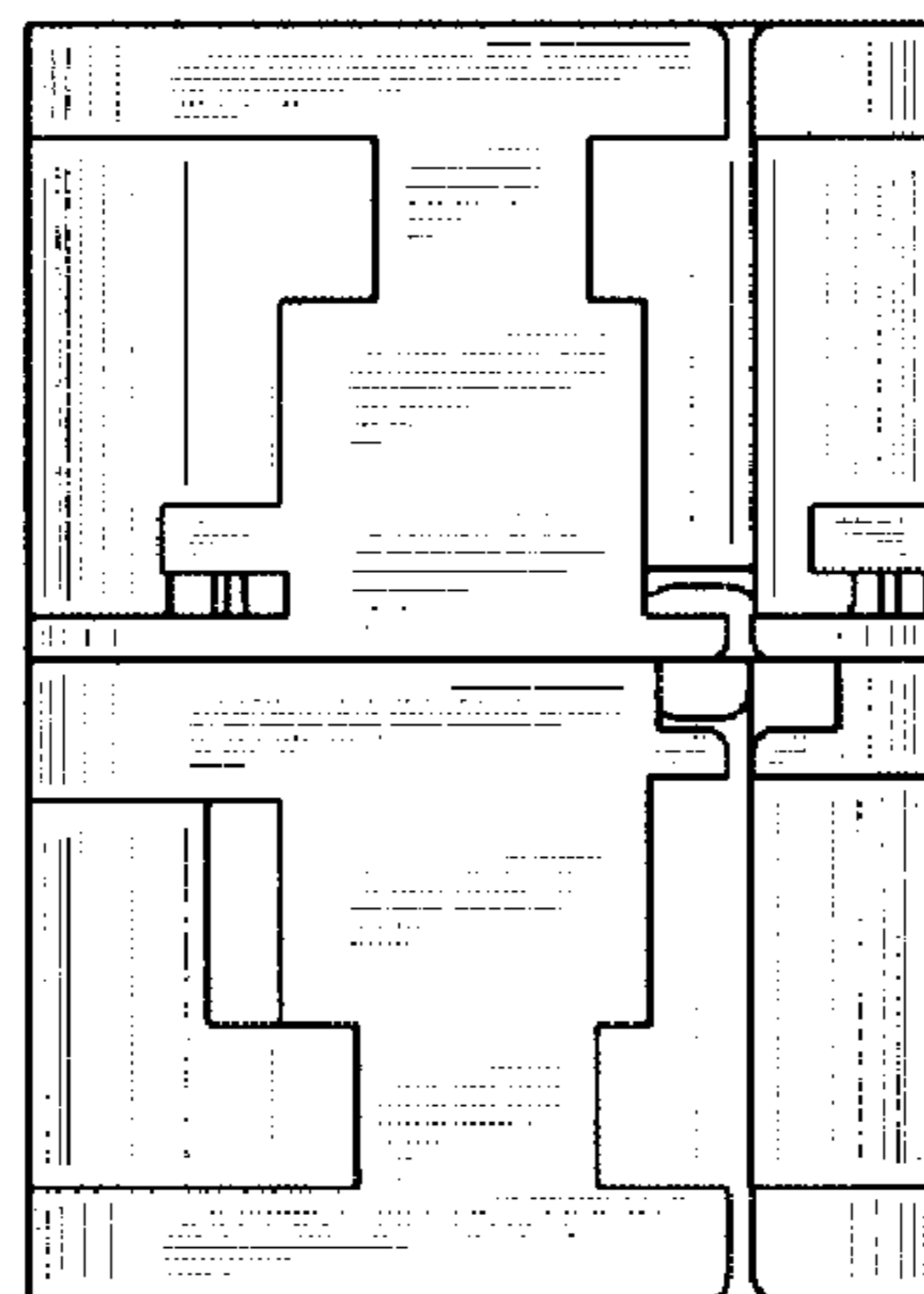
*Fig.4*



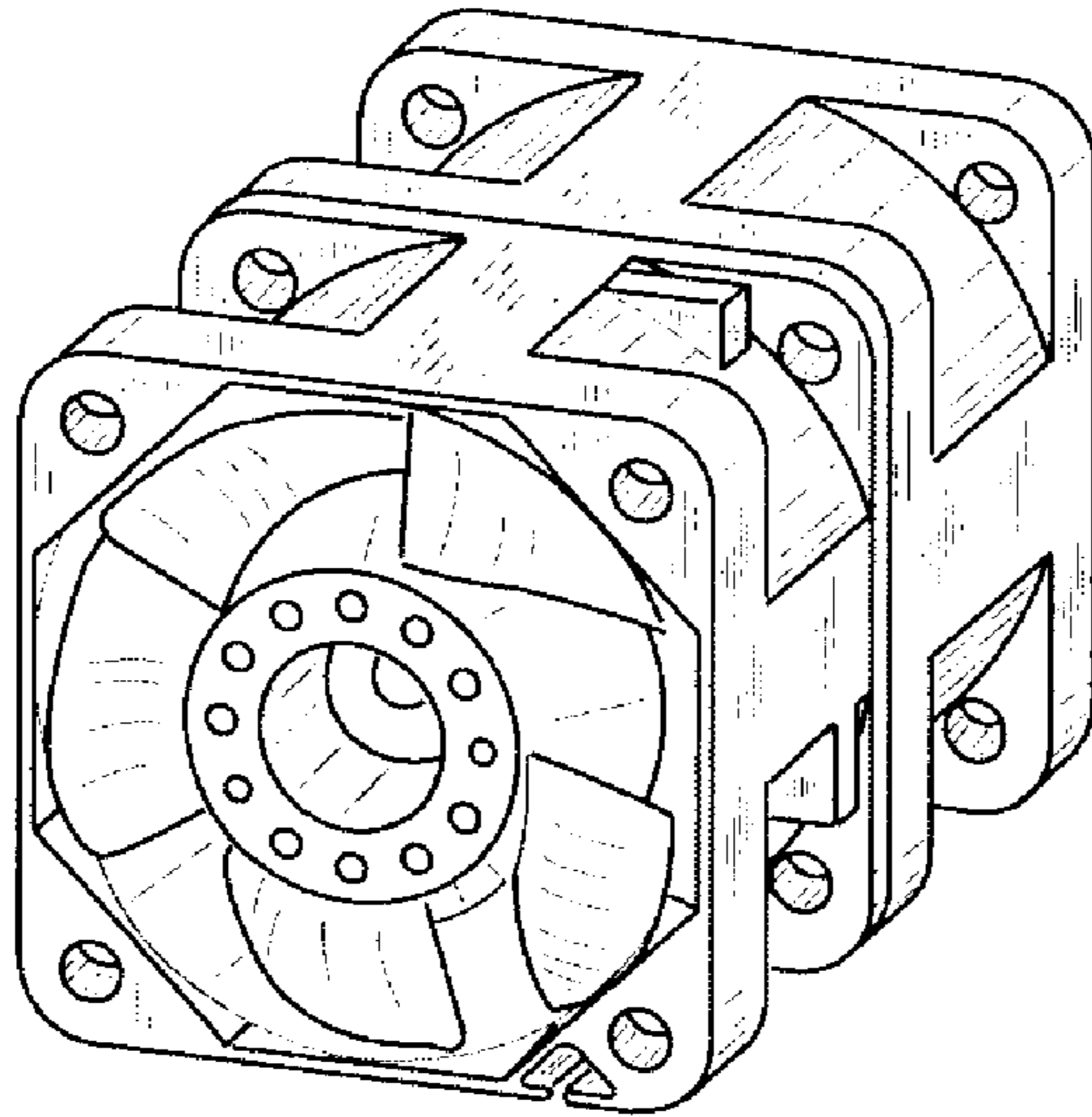
*Fig. 5*



*Fig. 6*



*Fig. 7*



*Fig. 8*

