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

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(54) **LIGHT EMITTING DIODE MODULE**

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(73) Assignee: **Rohm Co., Ltd.**, Kyoto (JP)

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

(21) Appl. No.: **29/408,953**

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(30) **Foreign Application Priority Data**

Jul. 22, 2011 (JP) 2011-016883

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

(52) **U.S. Cl.** **D13/180**

(58) **Field of Classification Search** D13/180;
D26/1, 2; 257/79, 80, 81, 88, 89, 95, 98,
257/99, 100, E33.058; 313/483, 498, 500;
362/555, 800

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D568,834 S * 5/2008 Nishida et al. D13/180
D568,835 S * 5/2008 Nishida et al. D13/180
D574,791 S * 8/2008 Shimozawa D13/180

D590,358 S * 4/2009 Miyashita et al. D13/180
D597,972 S * 8/2009 Kobayakawa D13/180
D601,977 S * 10/2009 Tsuchiya D13/180
D624,886 S * 10/2010 Ni et al. D13/180
2009/0134408 A1* 5/2009 Park et al. 257/88
2010/0320482 A1* 12/2010 Tachibana 257/88
2012/0025227 A1* 2/2012 Chan et al. 257/89
2012/0061692 A1* 3/2012 Chang et al. 257/88

* cited by examiner

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(57) **CLAIM**

We claim the ornamental design for a light emitting diode module, as shown.

DESCRIPTION

FIG. 1 is a perspective view of a light emitting diode module according to our new design;

FIG. 2 is a front view of the same module;

FIG. 3 is a rear view of the same module;

FIG. 4 is a top plan view of the same module;

FIG. 5 is a bottom view of the same module;

FIG. 6 is a right side view of the same module; and

FIG. 7 is a left side view of the same module; and,

FIG. 8 is a sectional view of the same module taken along lines 8-8 in FIG. 4.

1 Claim, 6 Drawing Sheets

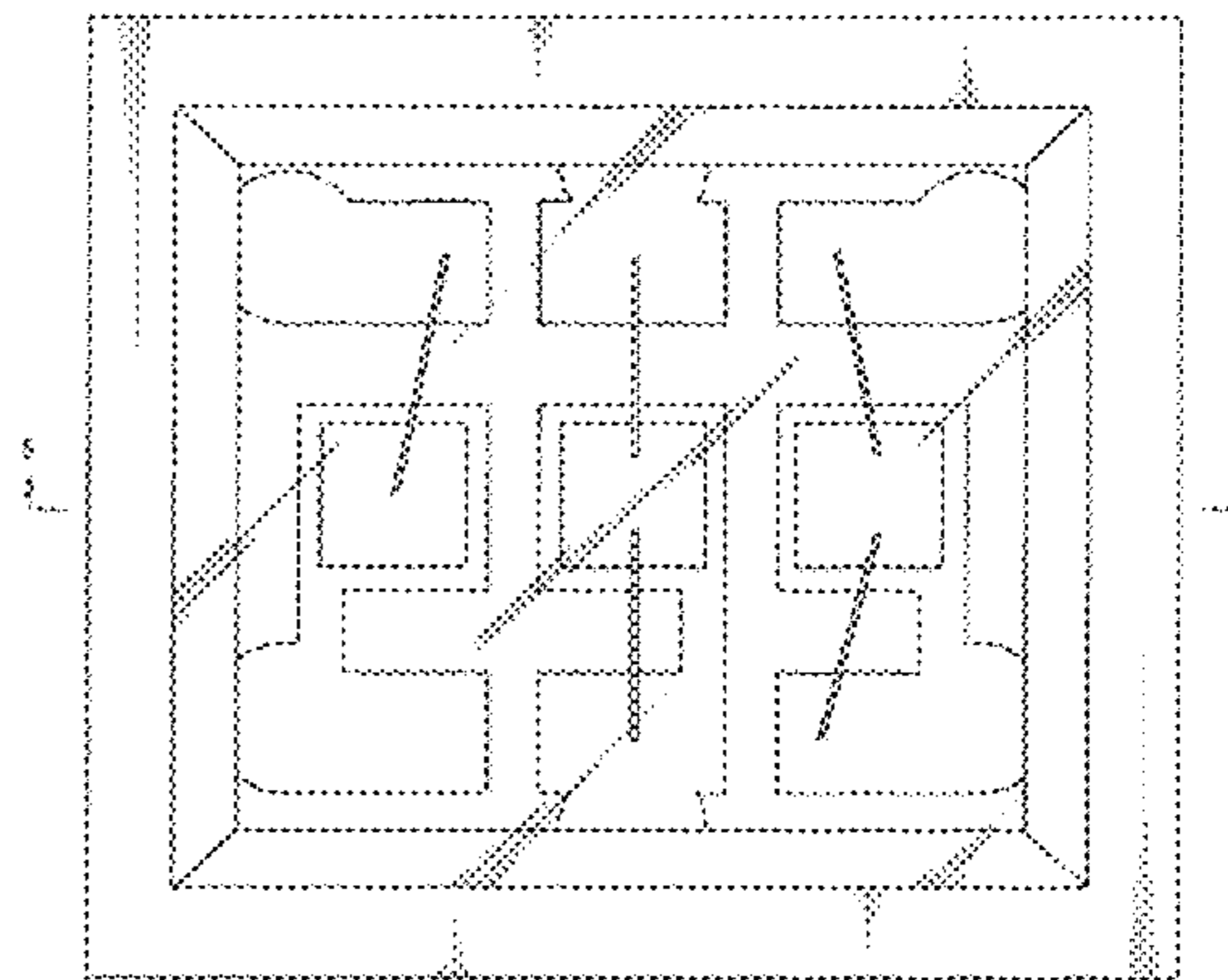
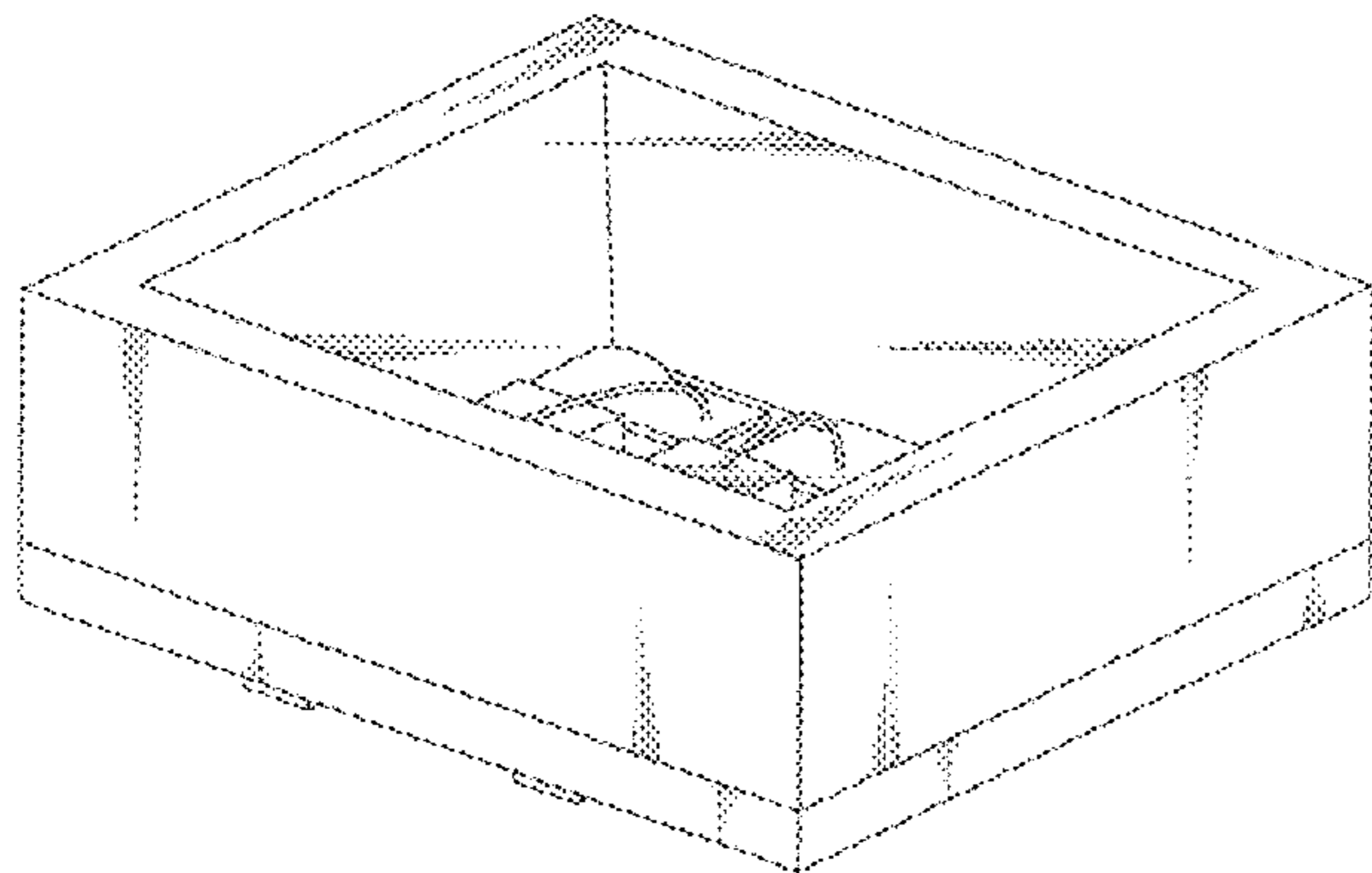


Fig. 1

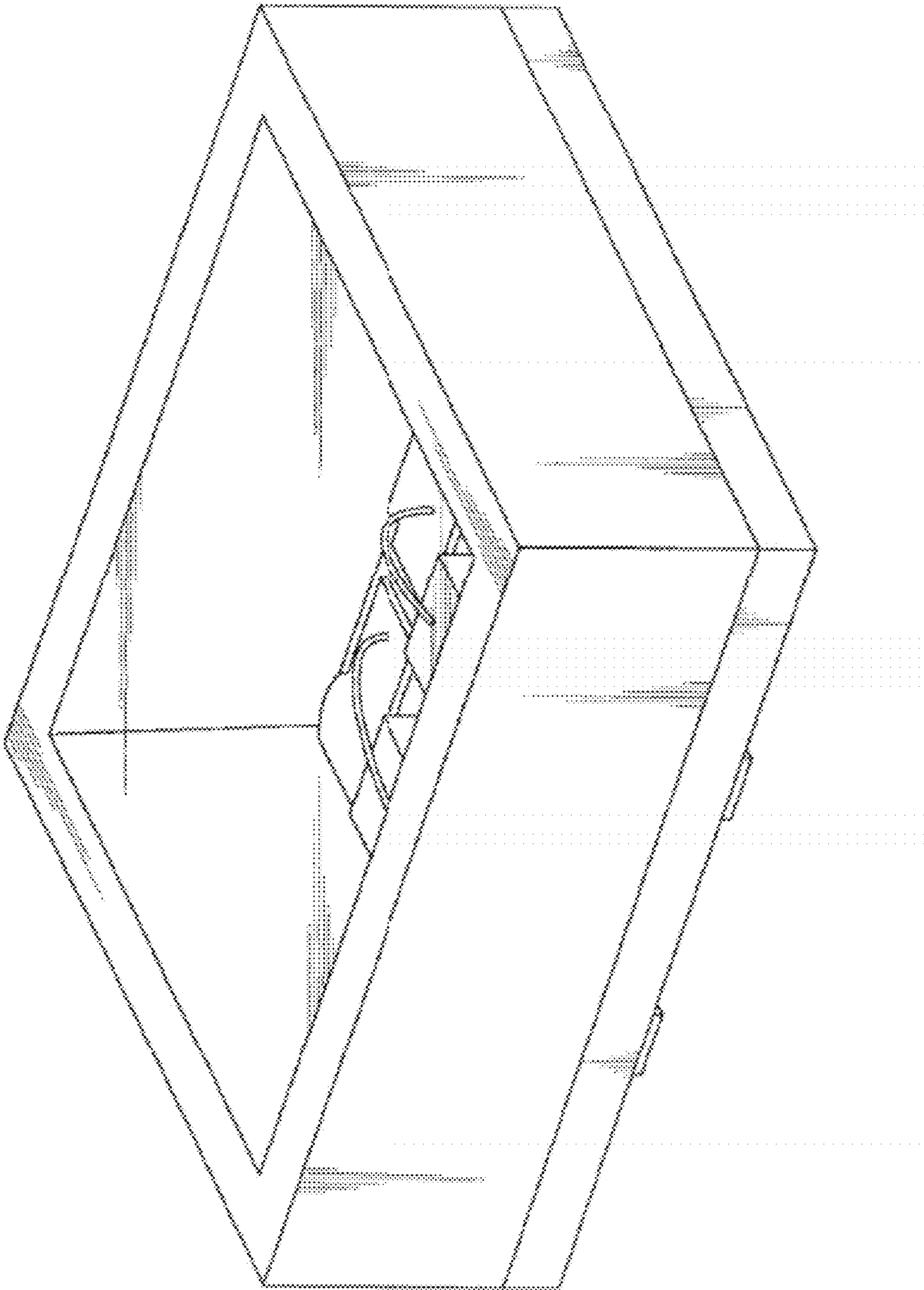


Fig. 2

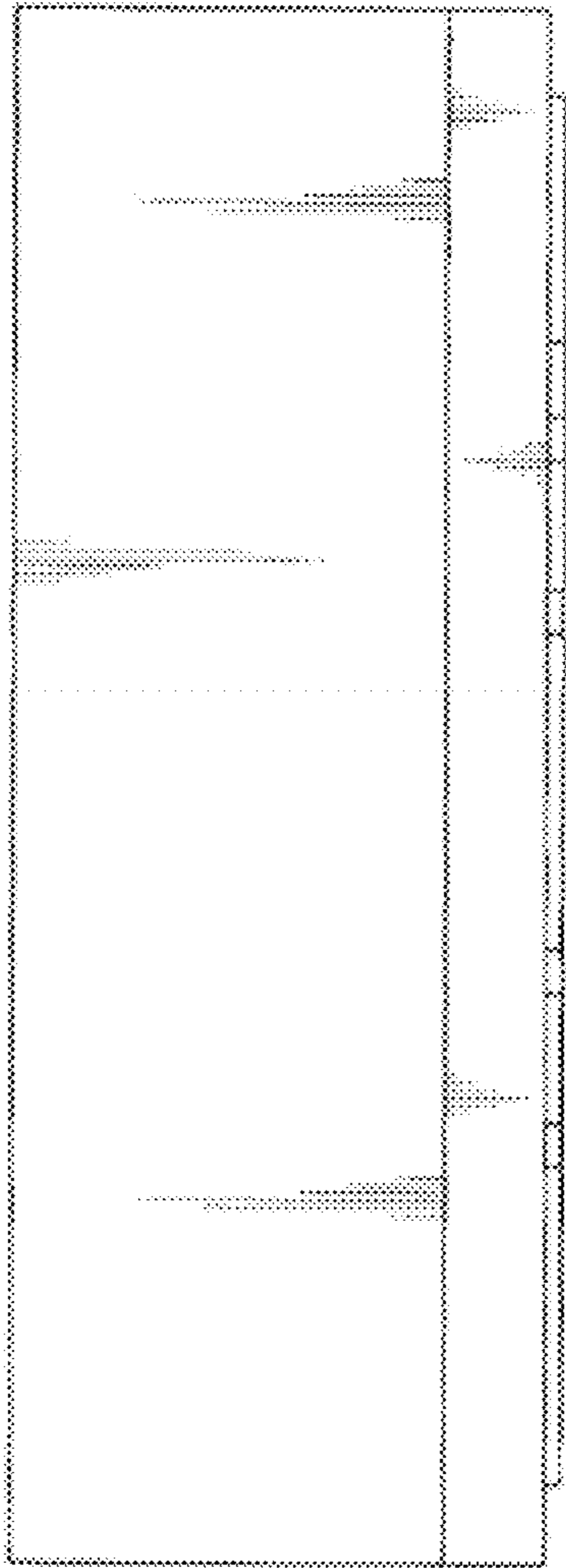


Fig. 3

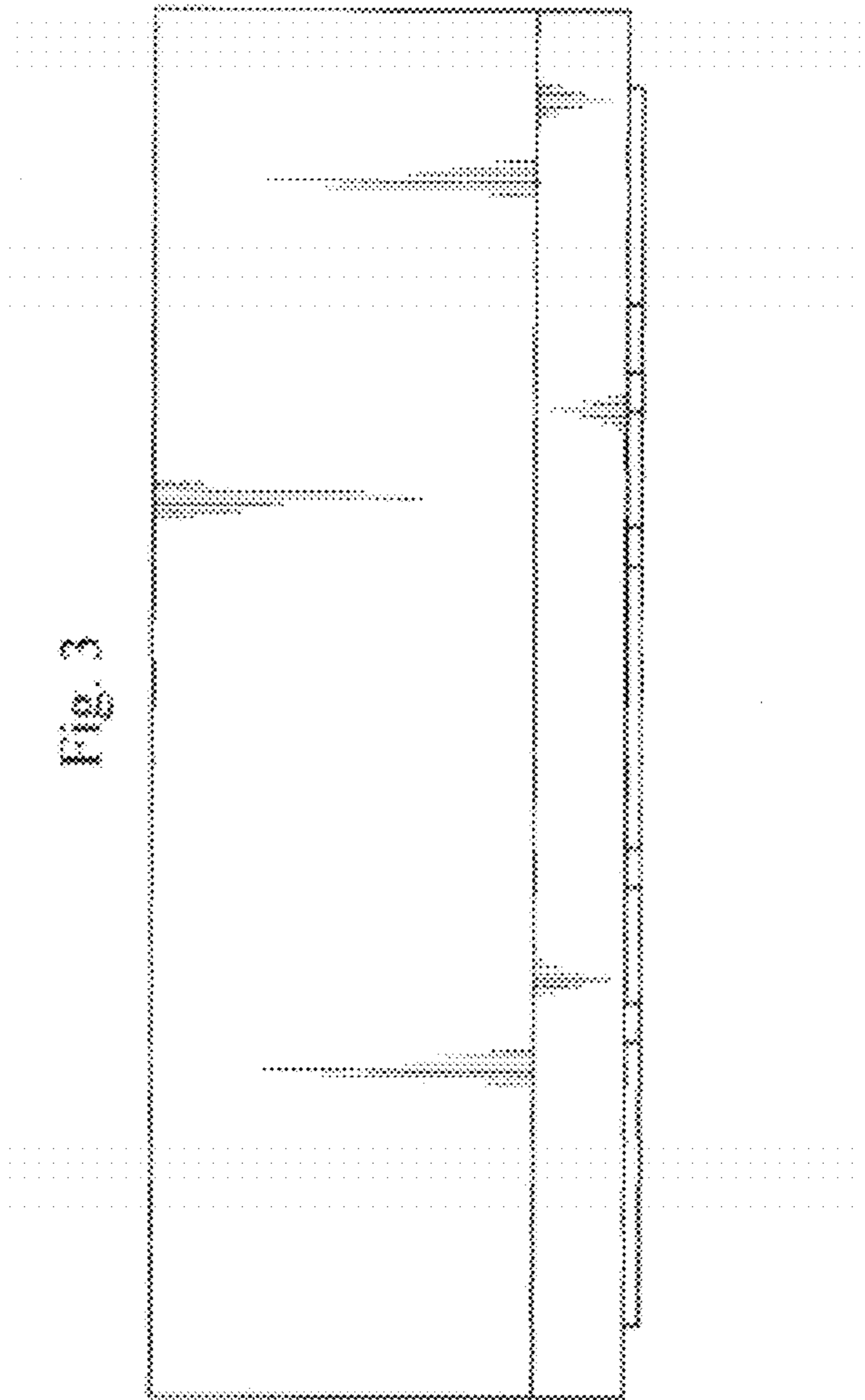


Fig. 4

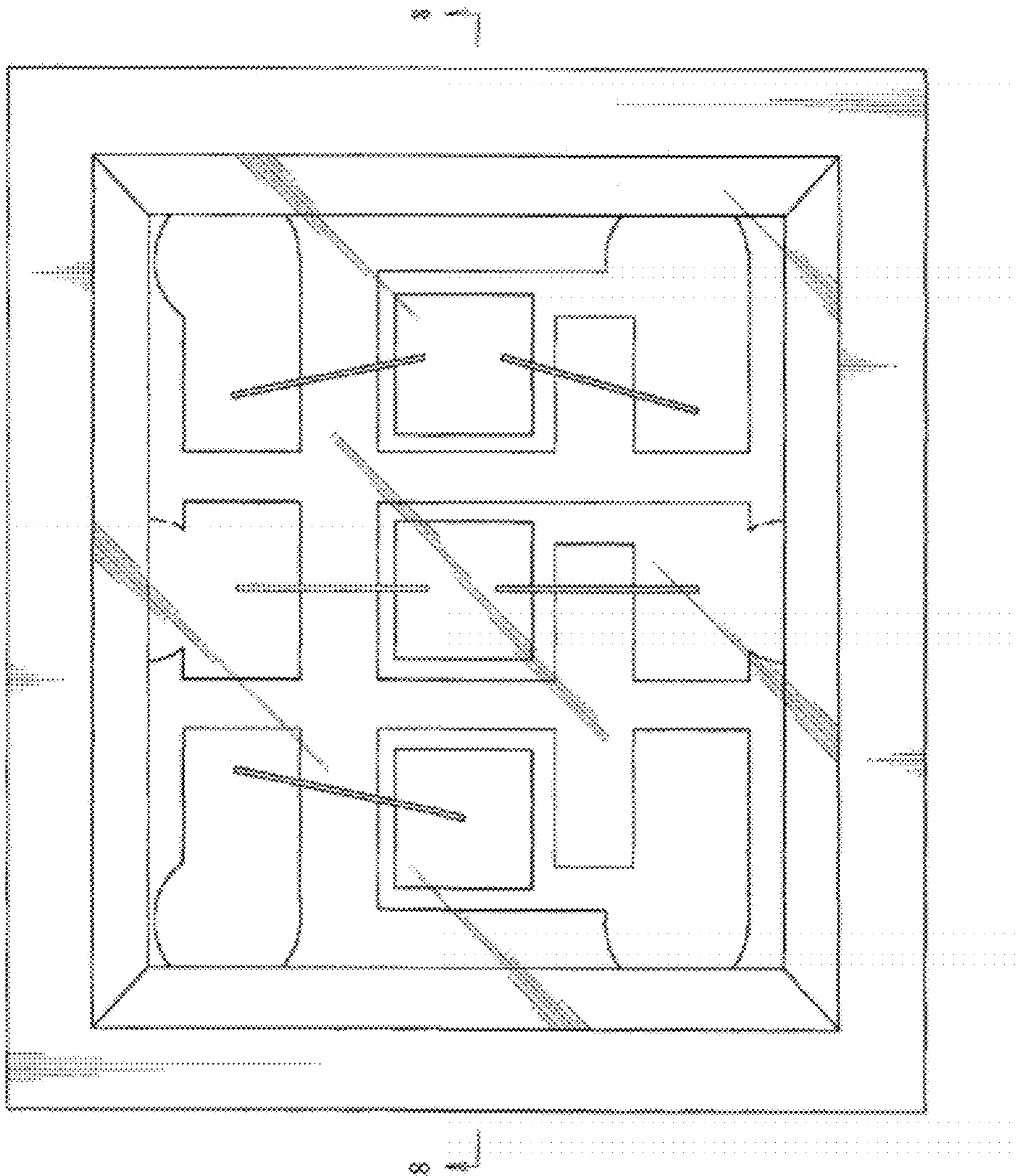


Fig. 5

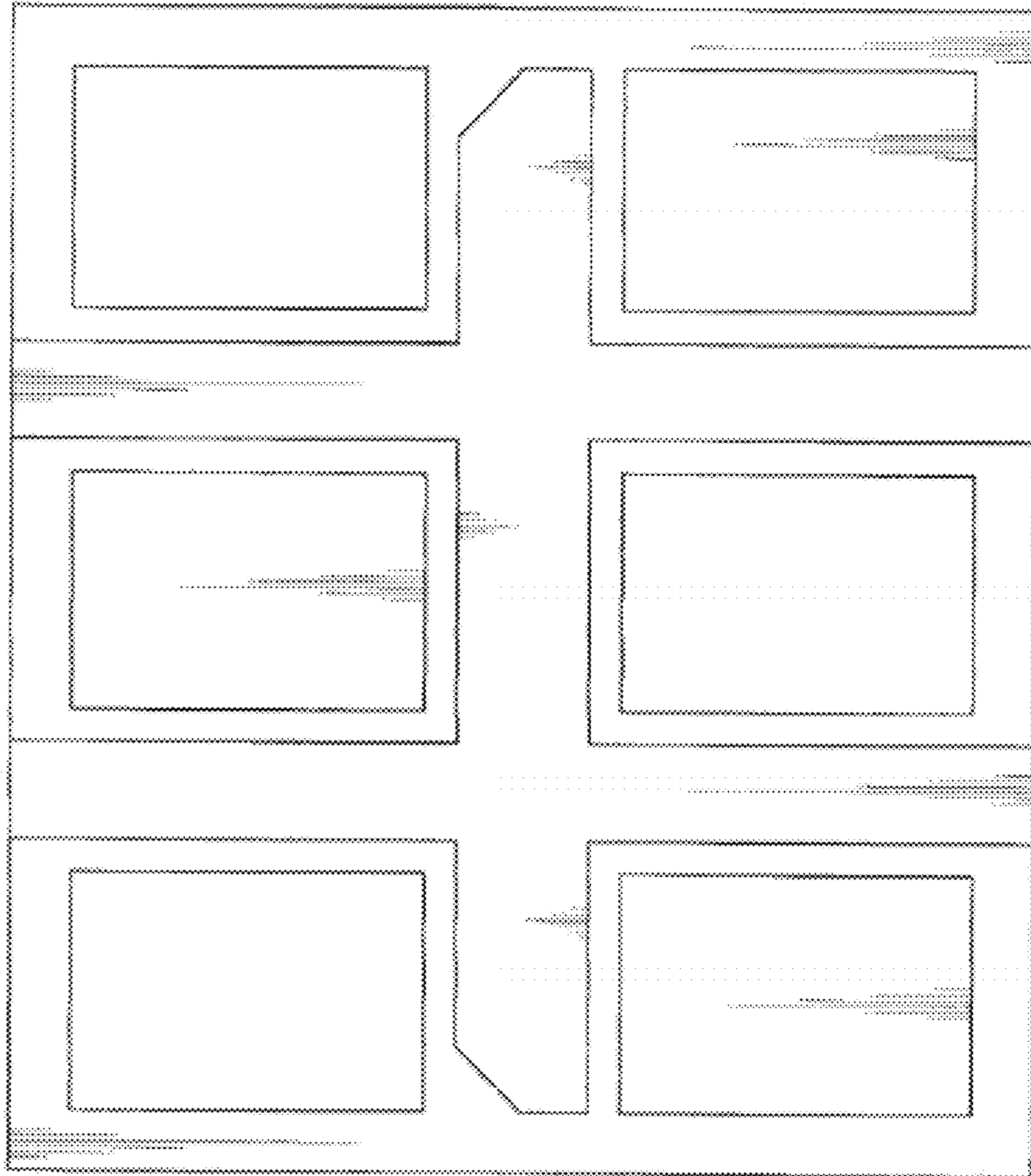


Fig. 6

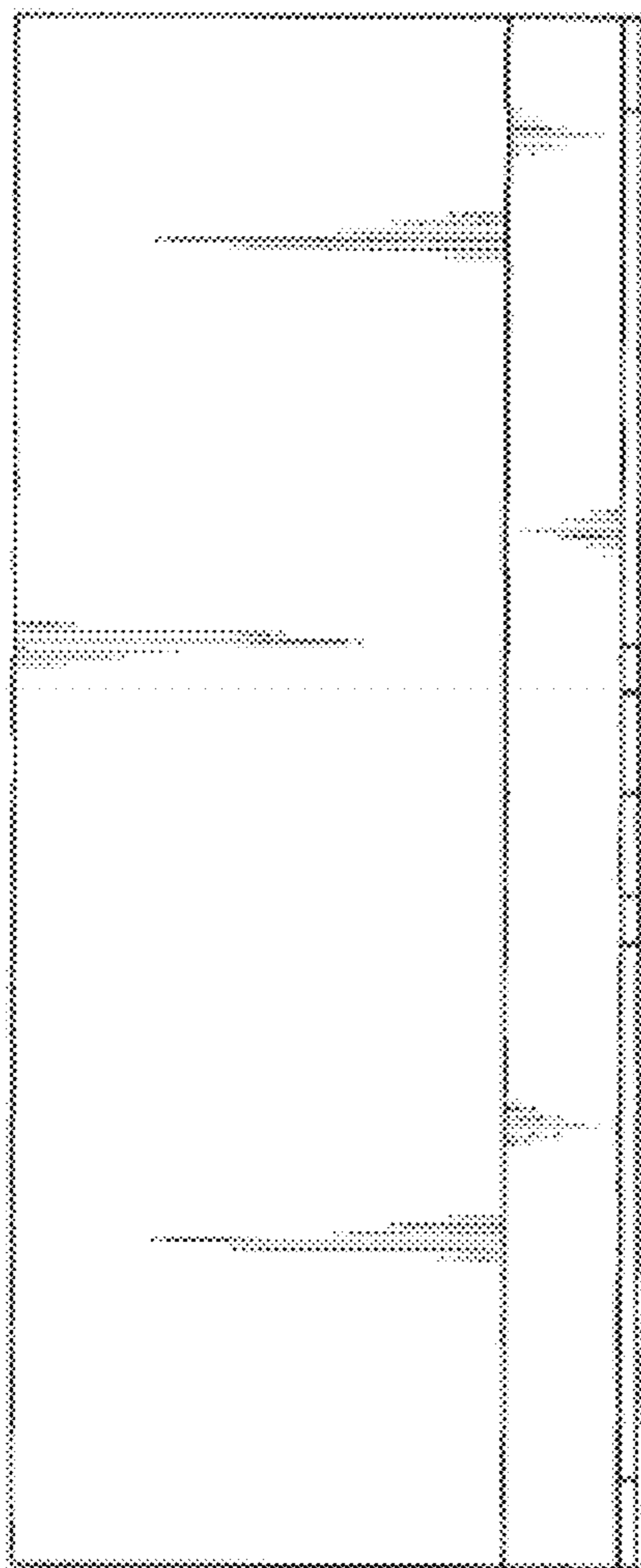


Fig. 7

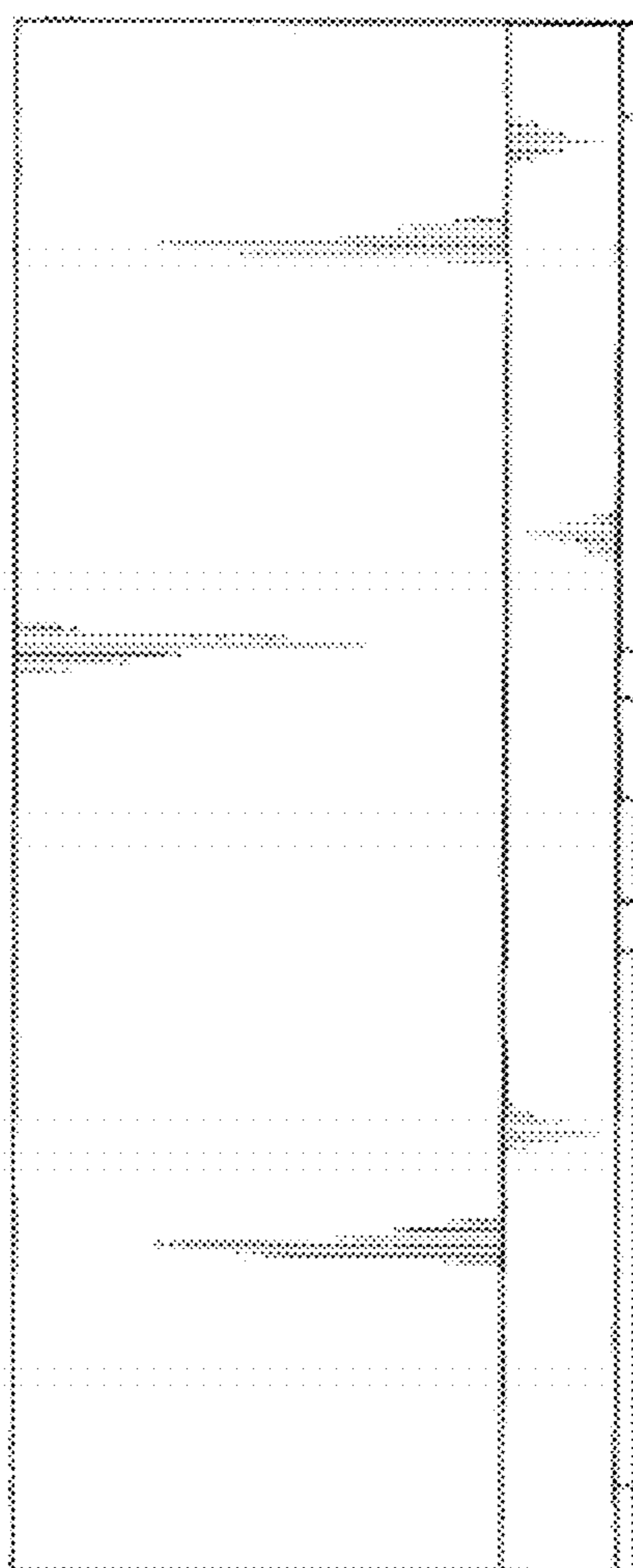


Fig. 8

