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

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(45) **Date of Patent:** **** May 7, 2013**

(54) **LIGHT-EMITTING DIODE**
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Tsun-Kai Ko, Tainan (TW)

7,795,610 B2 * 9/2010 Kim et al. 257/35
D644,187 S * 8/2011 Shen et al. D13/180
D644,188 S * 8/2011 Shen et al. D13/180
8,188,493 B2 * 5/2012 Li et al. 257/91
8,198,648 B2 * 6/2012 Bougrov et al. 257/98
D674,356 S * 1/2013 Inoue et al. D13/180

(73) Assignee: **Epistar Corporation**, Hsinchu (TW)

* cited by examiner

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

Primary Examiner — Selina Sikder

(21) Appl. No.: **29/427,221**

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(22) Filed: **Jul. 16, 2012**

(57) **CLAIM**

The ornamental design for a light-emitting diode, as shown and described.

(30) **Foreign Application Priority Data**

DESCRIPTION

Apr. 27, 2012 (TW) 101302334

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

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

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

See application file for complete search history.

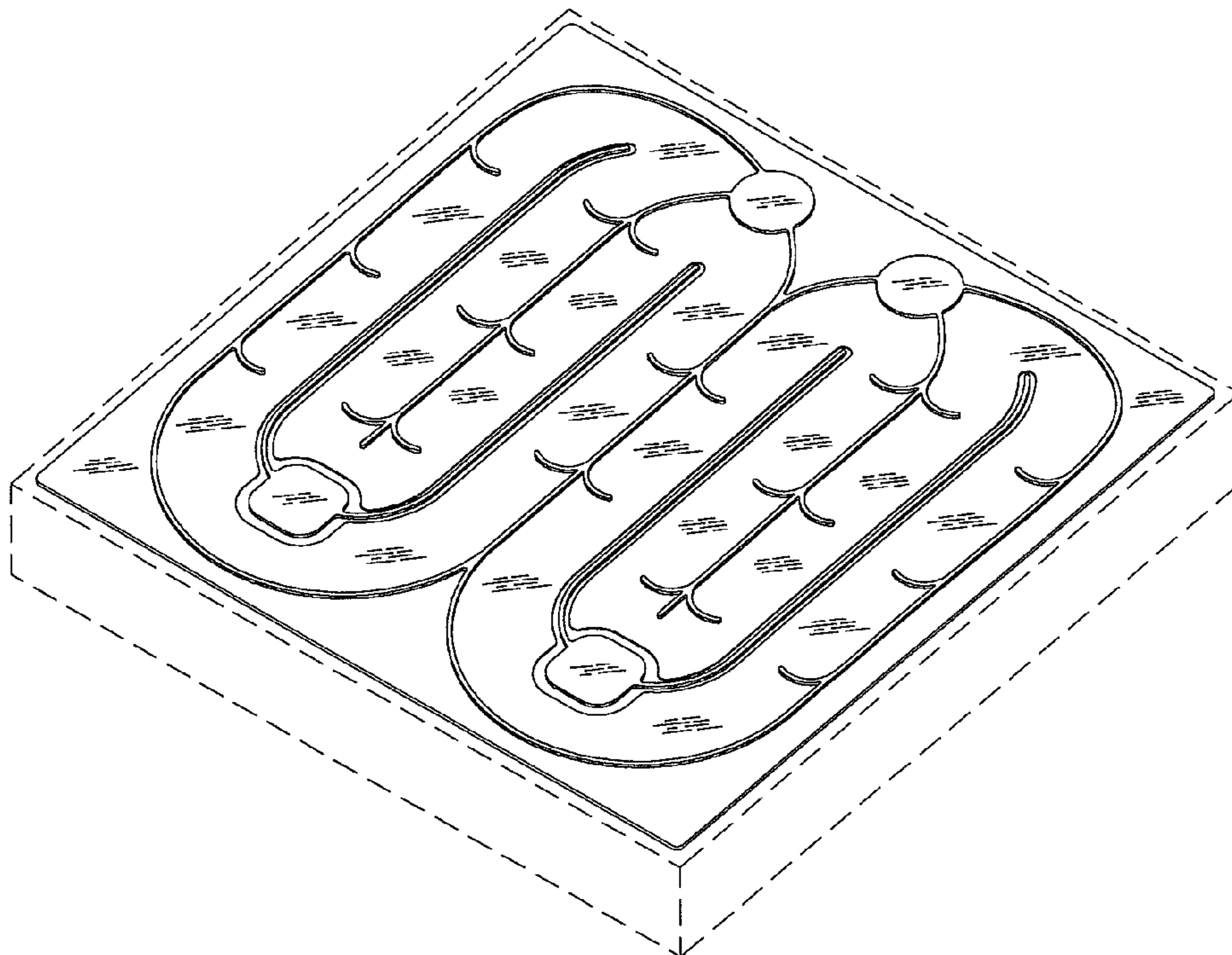
FIG. 1 is a perspective view of a light-emitting diode showing our new design;
FIG. 2 is a front elevational view of the light-emitting diode;
FIG. 3 is a rear elevational view of the light-emitting diode;
FIG. 4 is a left side view of the light-emitting diode;
FIG. 5 is a right side view of the light-emitting diode;
FIG. 6 is a top plan view of the light-emitting diode;
FIG. 7 is a bottom plan view of the light-emitting diode; and,
FIG. 8 is another perspective view of the light-emitting diode.
The broken line showing is for the purpose of illustrating environment structure and forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,531,841 B2 * 5/2009 Ko et al. 257/79
D619,976 S * 7/2010 Liu et al. D13/180

1 Claim, 6 Drawing Sheets



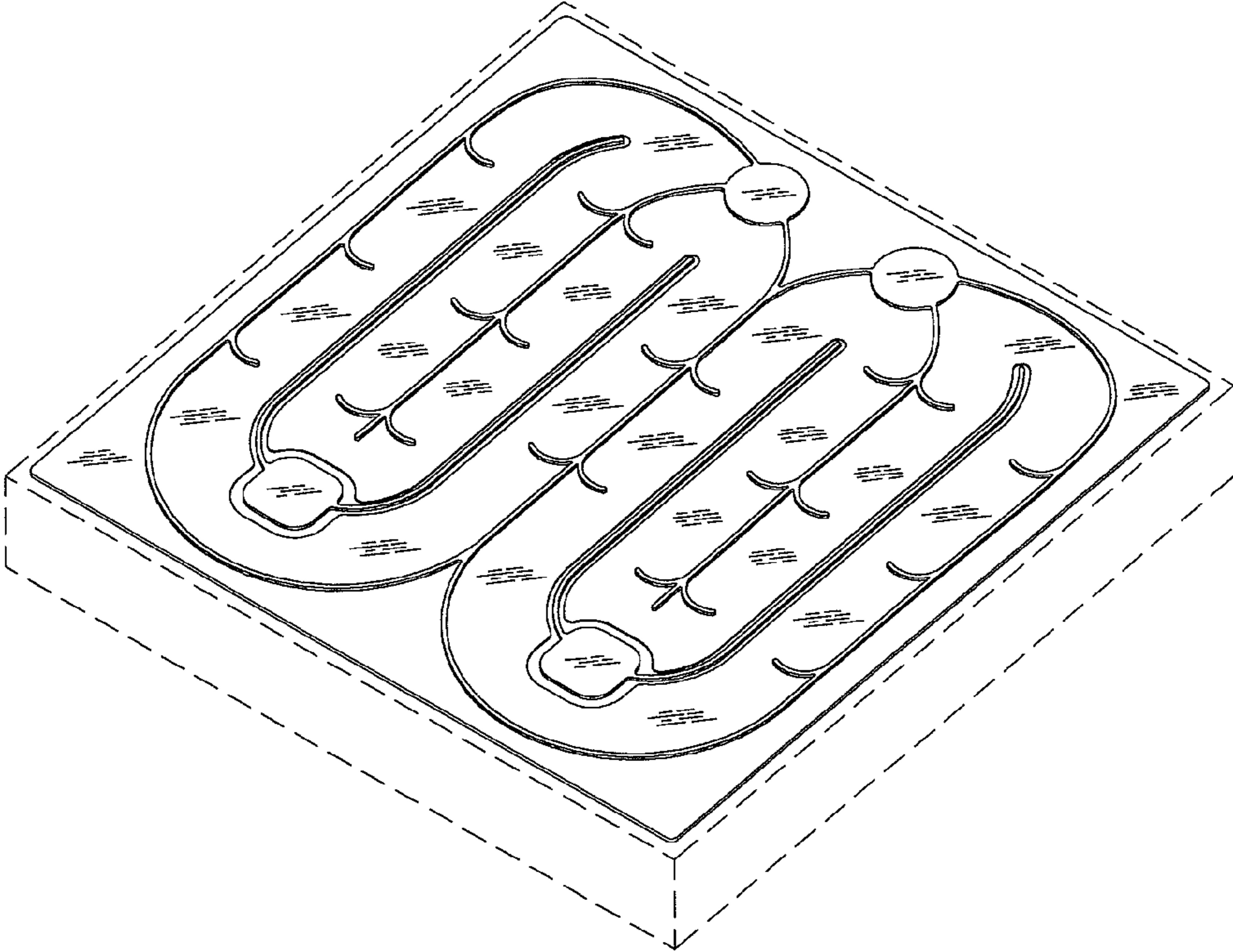


FIG.1

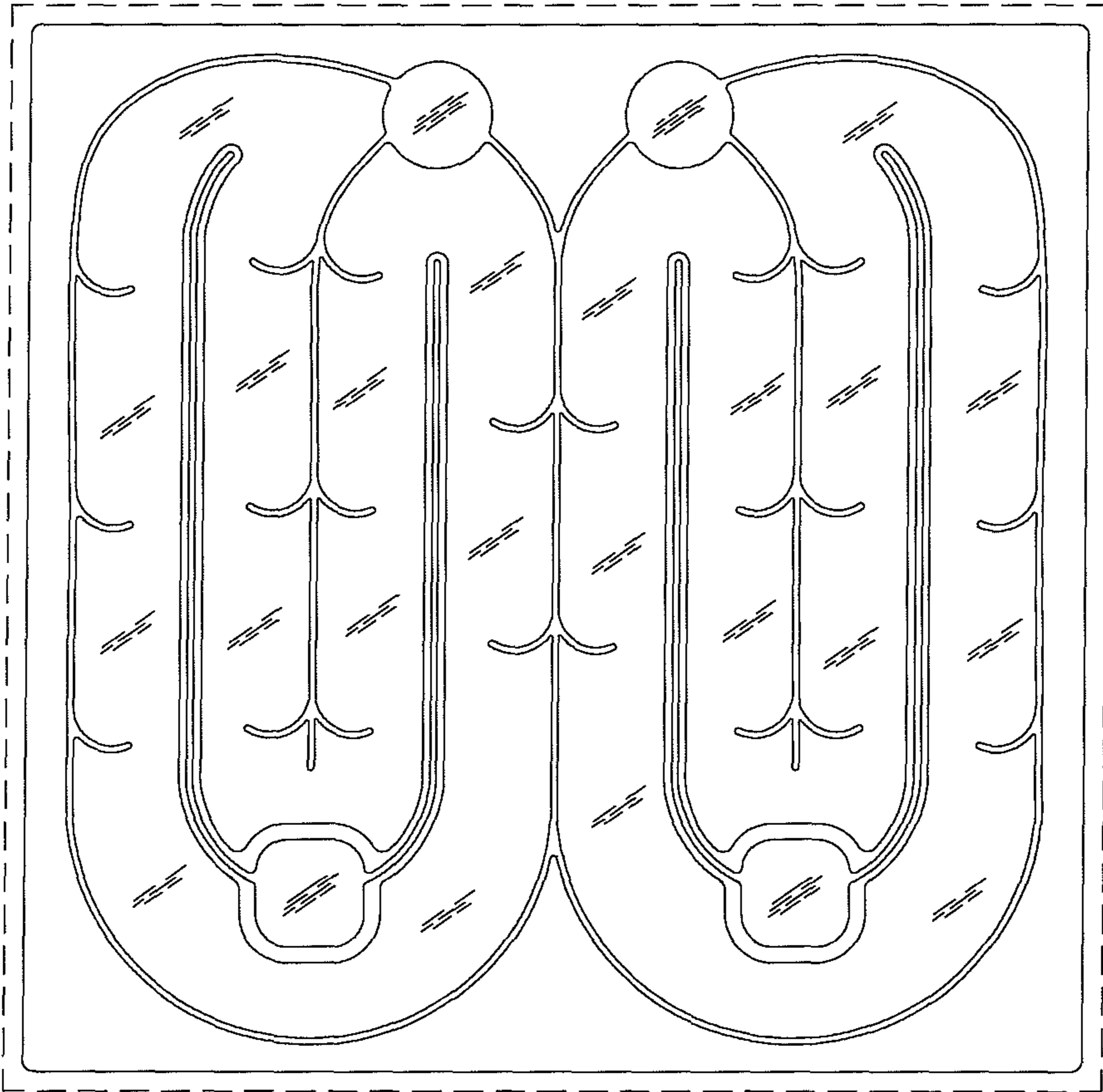


FIG.2

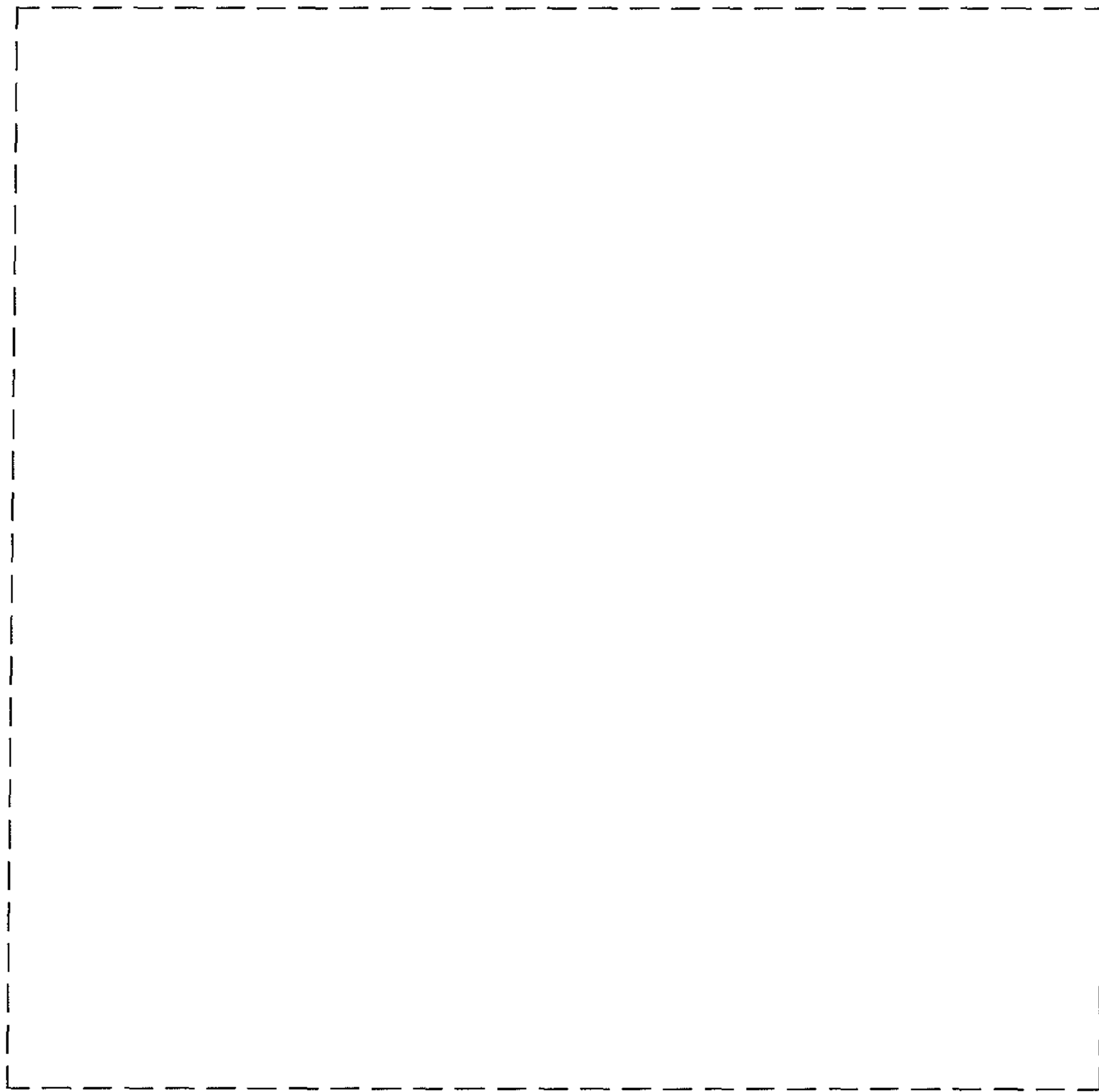


FIG.3

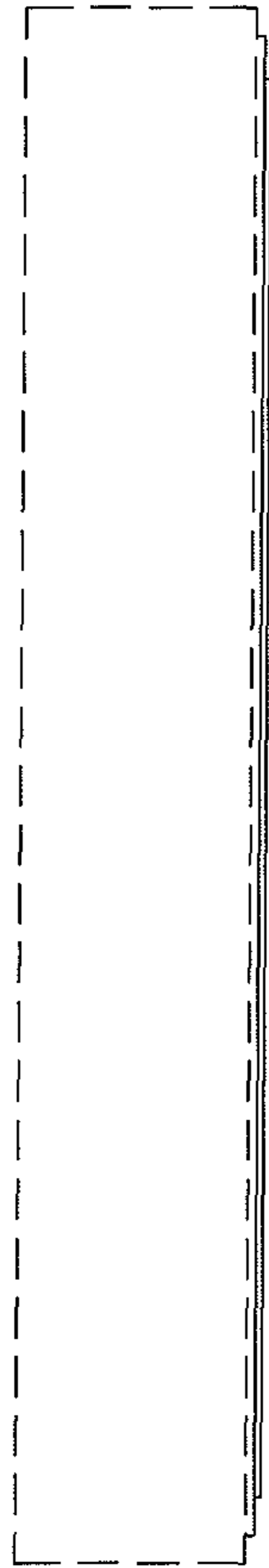


FIG. 4

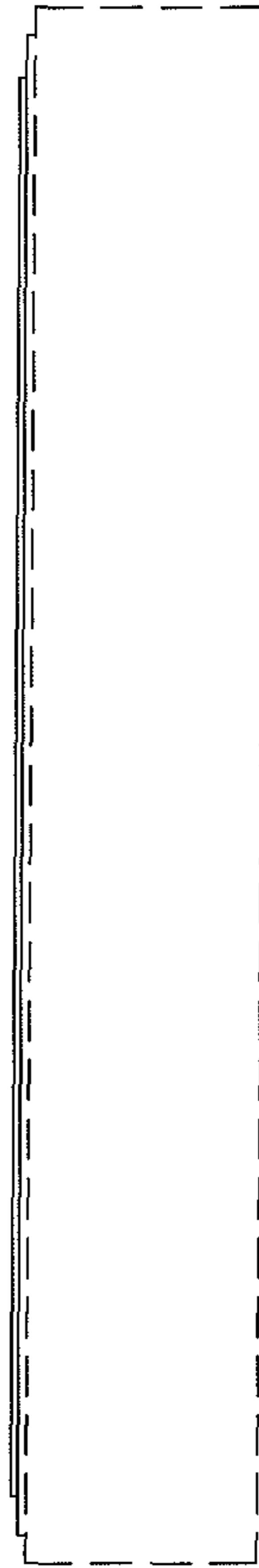


FIG. 5

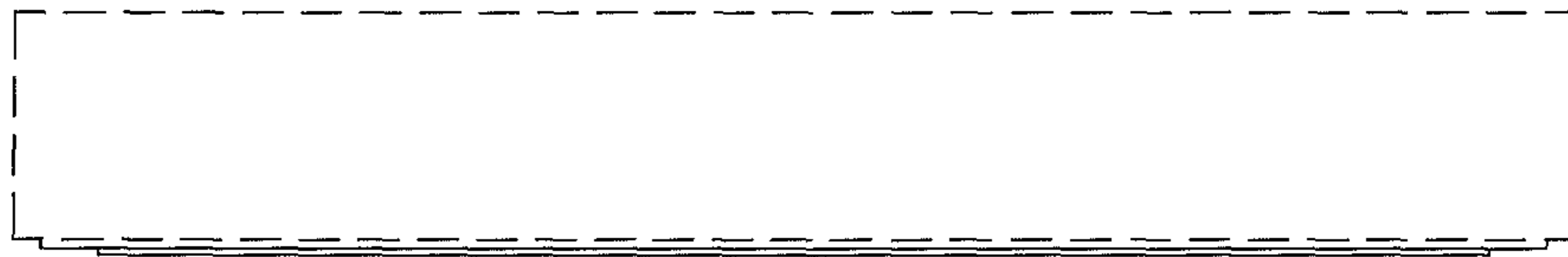


FIG. 6

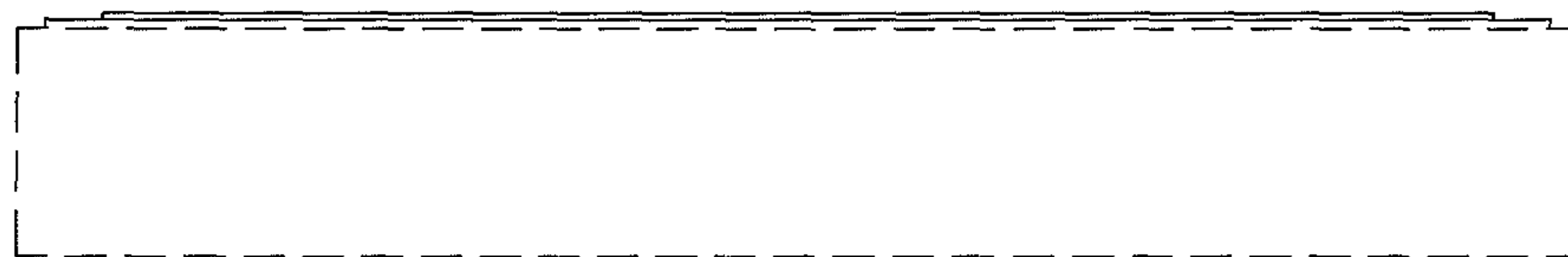


FIG. 7

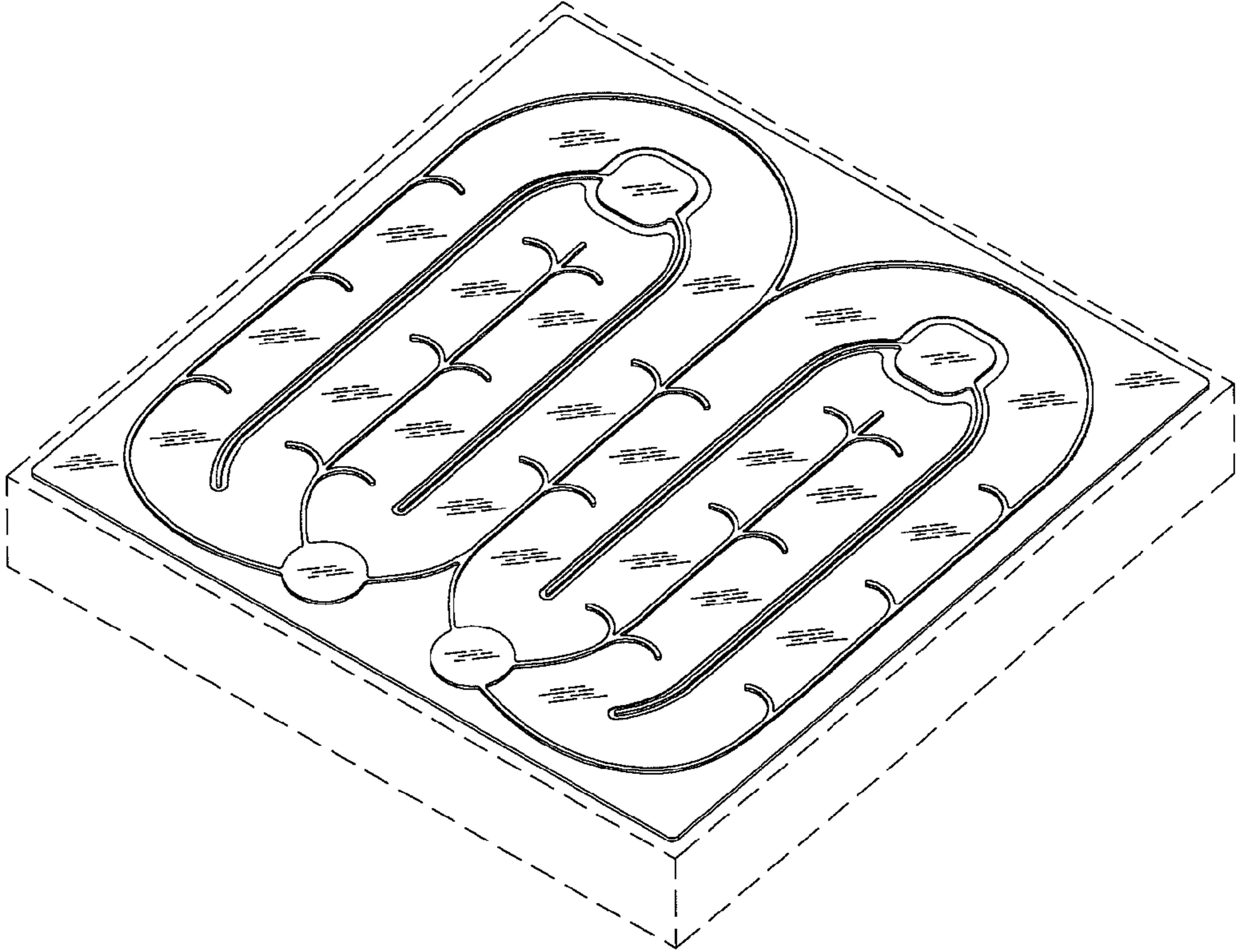


FIG.8