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

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(54) **3-DIMENSIONAL LARGE CAPACITY CELL
ENCAPSULATION DEVICE**

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

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(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/224**

(58) **Field of Classification Search**
USPC D24/216, 222, 224-232; 422/63-67,
422/99-104, 509, 552, 553, 549, 569, 400,
422/423, 488; D23/330, 358; D13/179;
D1/199; D30/160; D7/701, 387;
D25/123; 210/638; 435/29, 177, 371,
435/325; 623/1.41, 23.72; 141/327;
424/422, 424; 604/891.1

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|---------------|---------|-----------------|-------|---------|
| D254,506 S * | 3/1980 | Holmberg | ..... | D23/358 |
| D270,092 S * | 8/1983 | Lacasse | ..... | D25/123 |
| D278,140 S * | 3/1985 | Tatum | ..... | D13/179 |
| D300,293 S * | 3/1989 | Casey | ..... | D7/387 |
| D353,747 S * | 12/1994 | Lanier | ..... | D7/701 |
| 5,980,889 A * | 11/1999 | Butler et al. | ..... | 435/177 |
| 6,068,775 A * | 5/2000 | Custer et al. | ..... | 210/638 |
| D453,977 S * | 2/2002 | Park et al. | ..... | D30/160 |
| D473,318 S * | 4/2003 | Barbera-Guillem | ..... | D24/225 |
| D485,241 S * | 1/2004 | Lee | ..... | D13/179 |
| D536,774 S * | 2/2007 | Kuo et al. | ..... | D23/330 |

| | | | | |
|-------------------|---------|------------------|-------|----------|
| D619,232 S * | 7/2010 | Ragaini | ..... | D23/330 |
| D632,799 S * | 2/2011 | Canner et al. | ..... | D24/216 |
| 8,278,106 B2 * | 10/2012 | Martinson et al. | ..... | 435/371 |
| D676,118 S * | 2/2013 | Hansen | ..... | D23/330 |
| 8,414,925 B2 * | 4/2013 | Freier | ..... | 424/488 |
| D692,578 S * | 10/2013 | Kikuhara et al. | ..... | D24/216 |
| D706,017 S * | 6/2014 | King et al. | ..... | D1/199 |
| 2009/0068170 A1 * | 3/2009 | Weitz et al. | | 435/29 |
| 2009/0105811 A1 * | 4/2009 | Dinh et al. | | 623/1.41 |

* cited by examiner

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(57) **CLAIM**

The ornamental design for a 3-dimensional large capacity cell encapsulation device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the 3-dimensional large capacity cell encapsulation device with a single cell chamber and port.

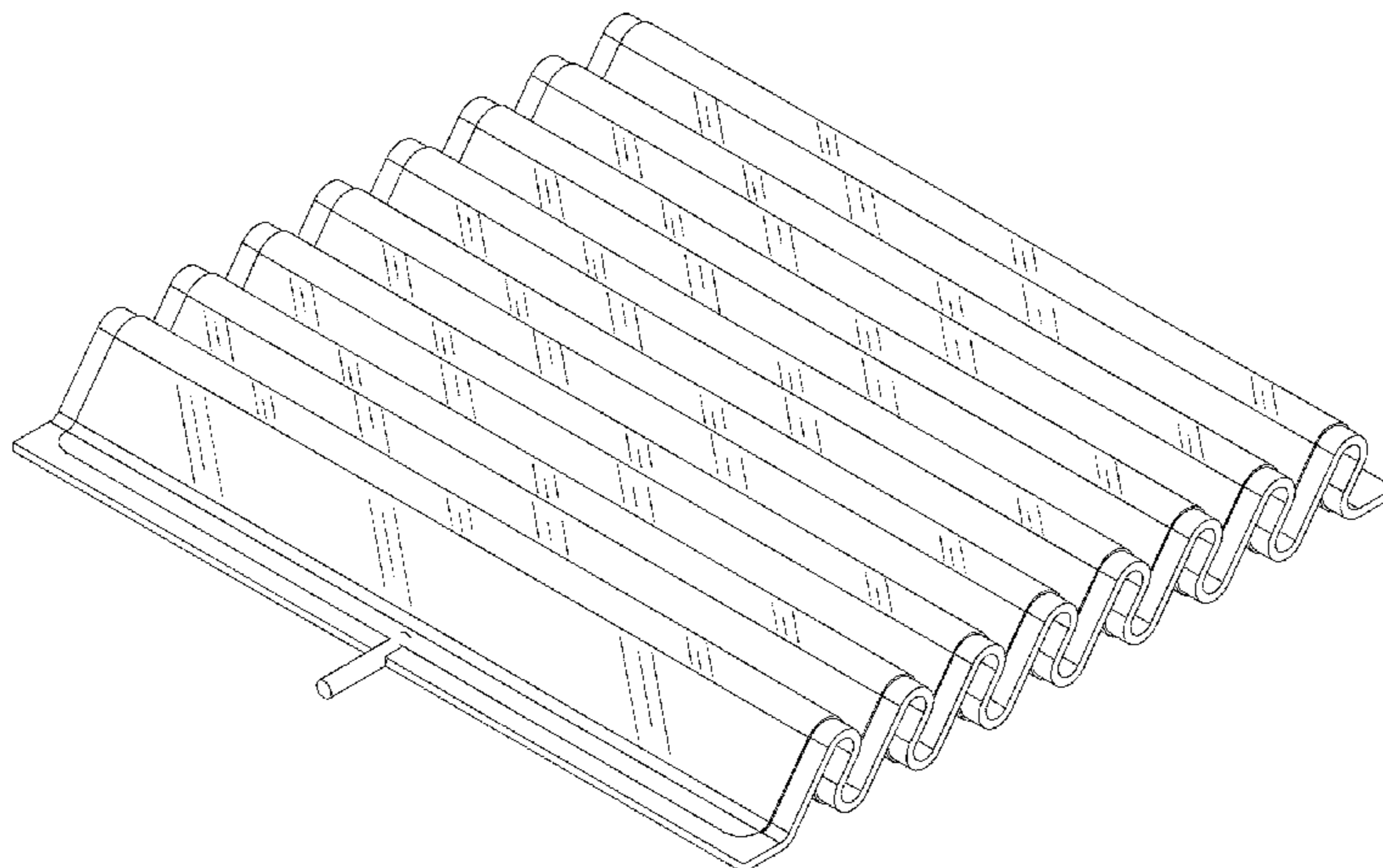
FIG. 2 is a back elevation view of the 3-dimensional large capacity cell encapsulation device with a single cell chamber and port.

FIG. 3 is a front elevation view of the 3-dimensional large capacity cell encapsulation device with a single cell chamber and port.

FIG. 4 is a top plan view of the 3-dimensional large capacity cell encapsulation device with a single cell chamber and port. FIG. 5 is a bottom plan view of the 3-dimensional large capacity cell encapsulation device with a single cell chamber and port.

FIG. 6 is a right elevation view of the 3-dimensional large capacity cell encapsulation device with a single cell chamber and port (circle), and whereby the cell chamber is folded; and, FIG. 7 is a left elevation view of the 3-dimensional large capacity cell encapsulation device with a single cell chamber and port (circle), and whereby the cell chamber is folded.

1 Claim, 3 Drawing Sheets



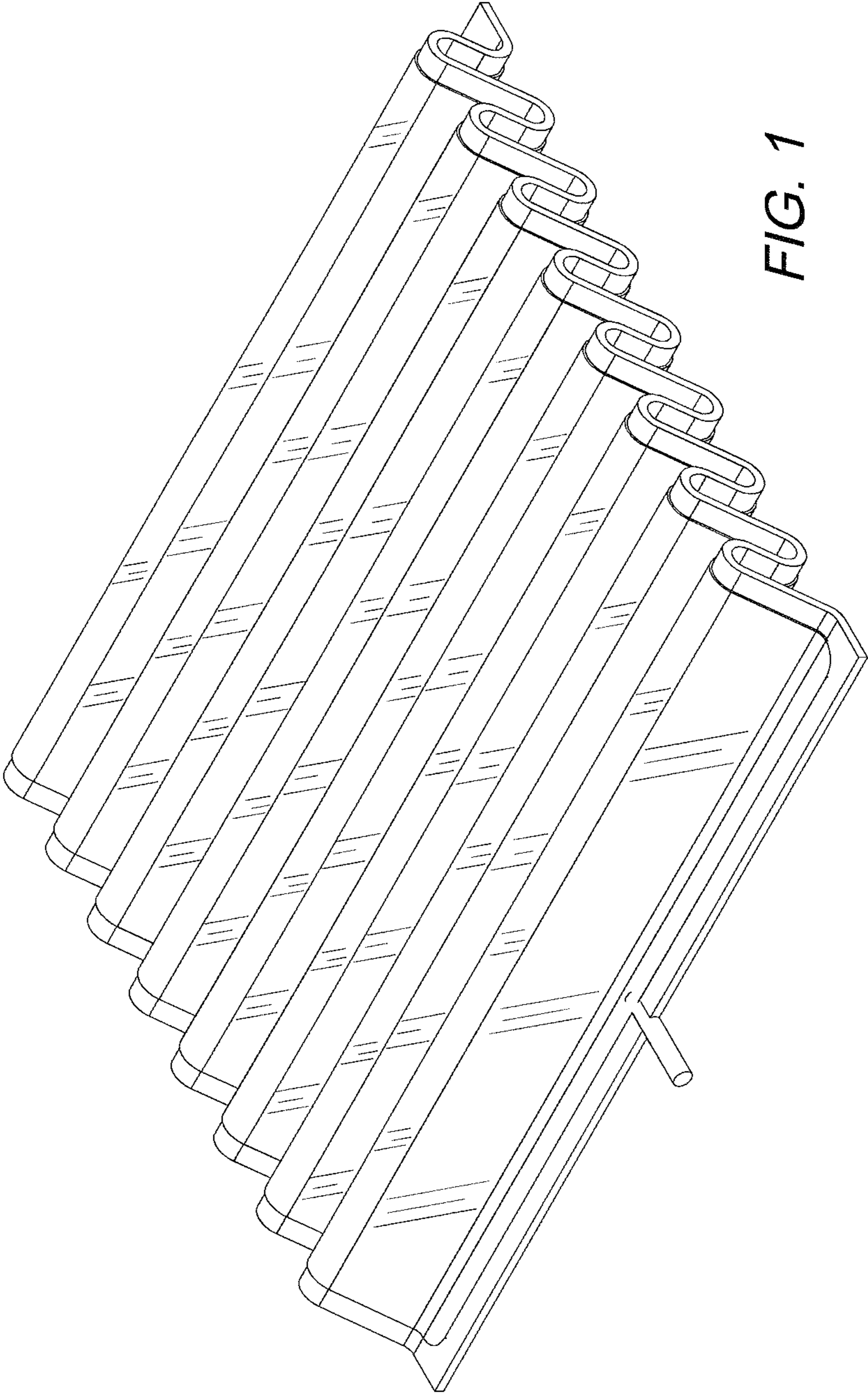


FIG. 1

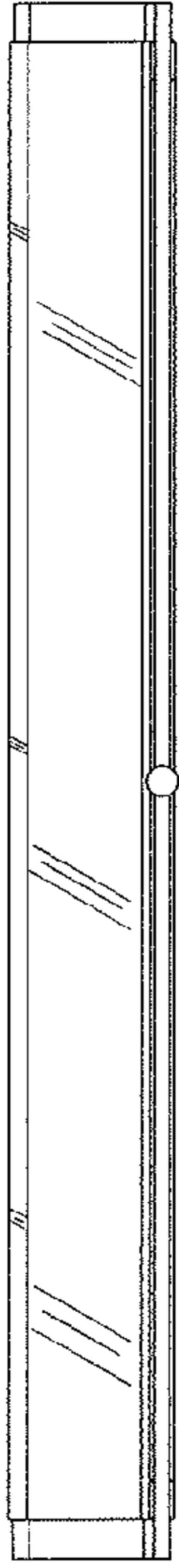


FIG. 3

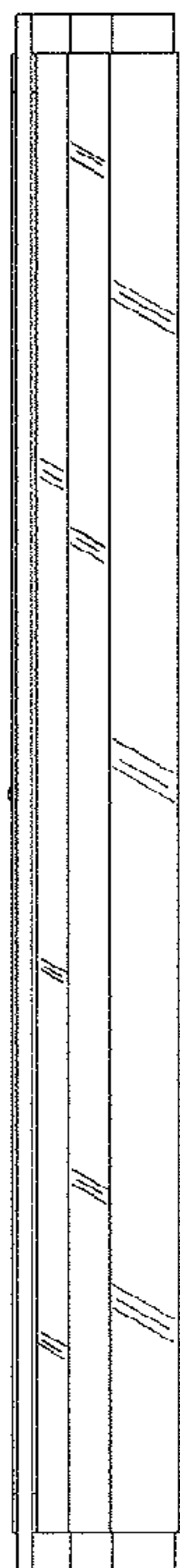


FIG. 2

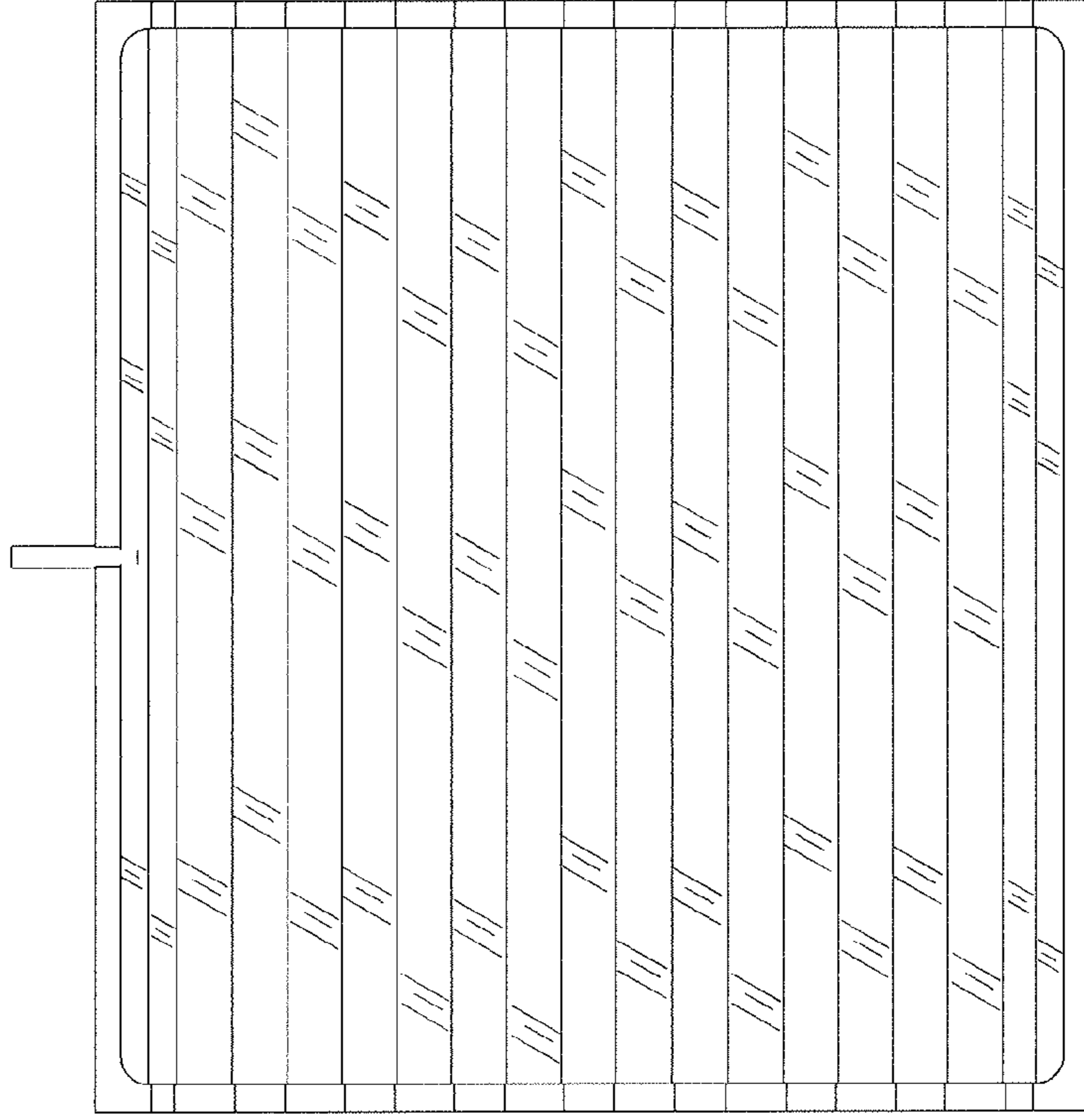


FIG. 5

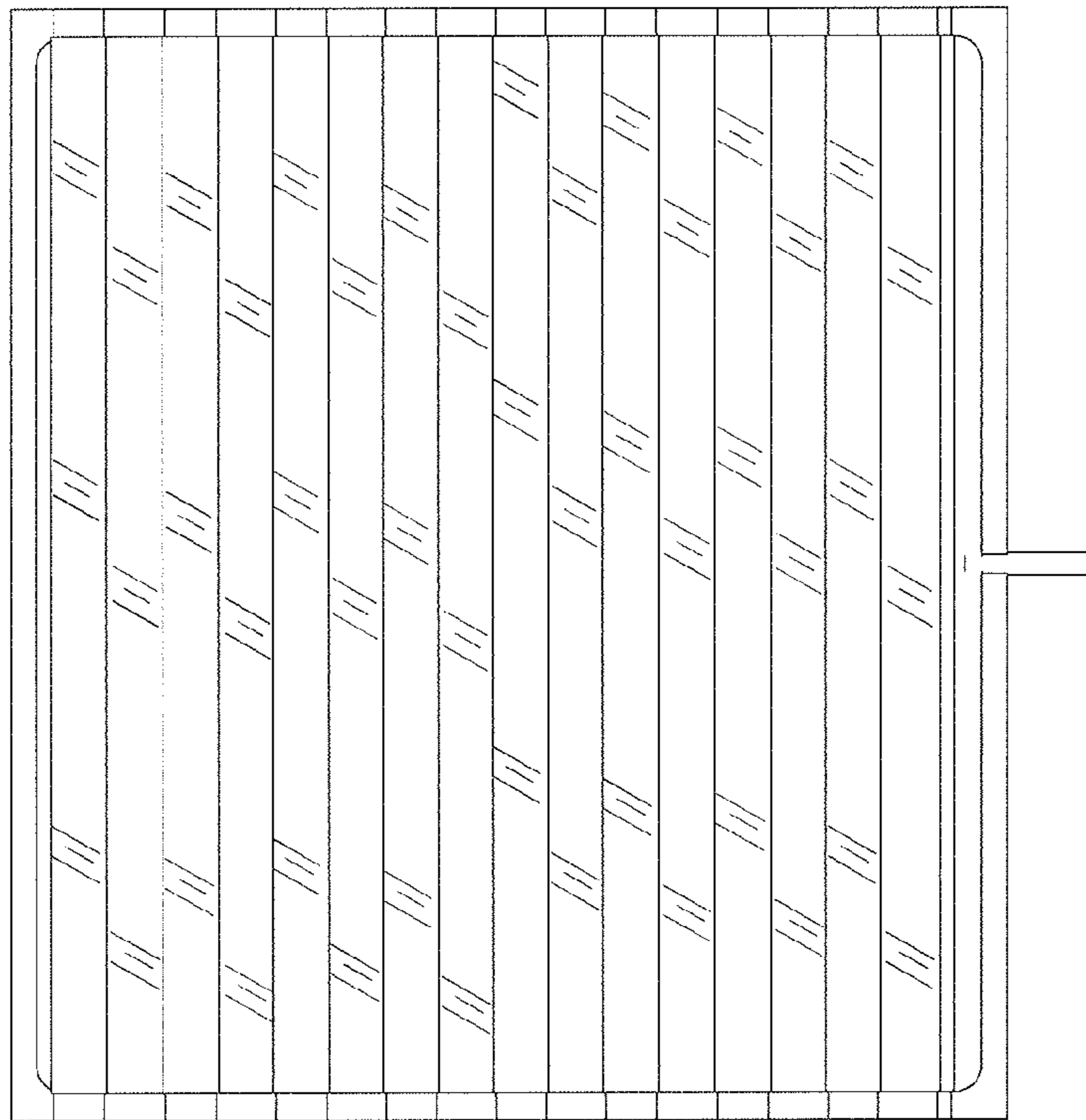


FIG. 4

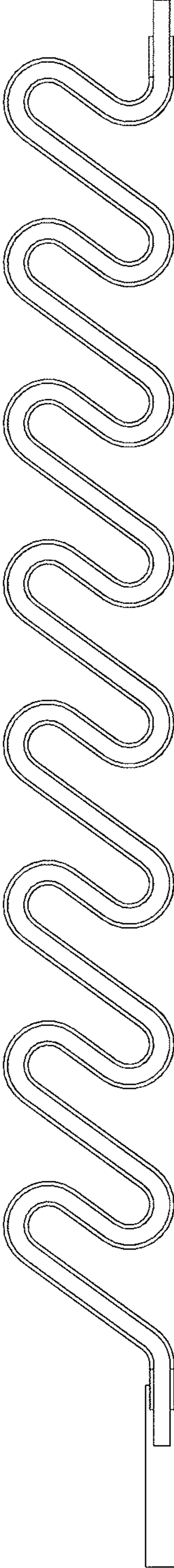


FIG. 6

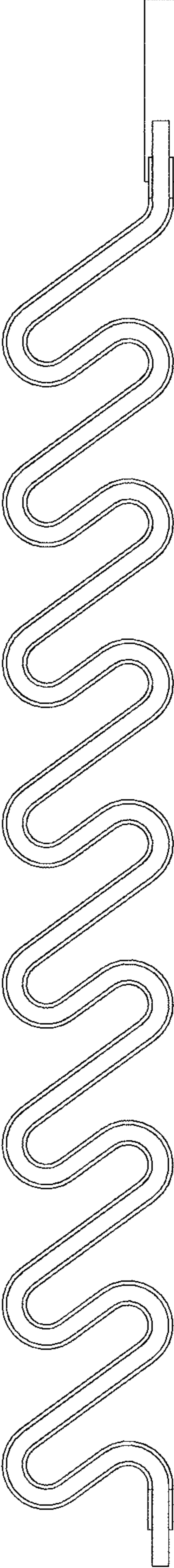


FIG. 7