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**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

(Continued)

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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 multiple cell chambers and a single port per cell chamber.

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

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

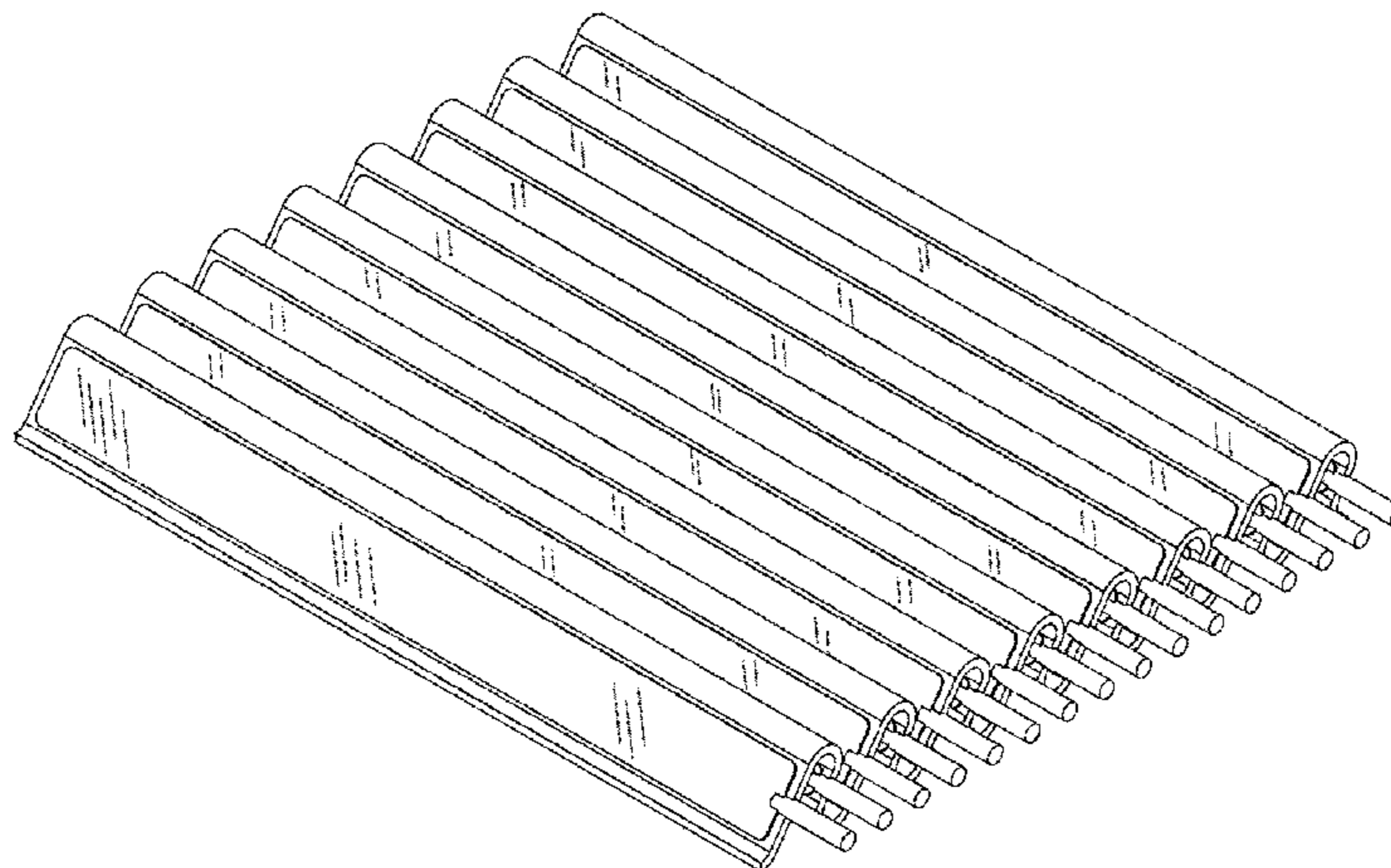
FIG. 4 is a top plan view of the 3-dimensional large capacity cell encapsulation device with multiple cell chambers and a single port per cell chamber.

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

FIG. 6 is a right elevation view of the 3-dimensional large capacity cell encapsulation device with multiple cell chambers each having a port (circle), and whereby the cell chambers are parallel to each other; and,

FIG. 7 is a left elevation view of the 3-dimensional large capacity cell encapsulation device with multiple cell chambers each having a port (circle), and whereby the cell chambers are parallel to each other.

**1 Claim, 3 Drawing Sheets**



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(56)

## References Cited

2009/0068170 A1\* 3/2009 Weitz et al. .... 435/29  
2009/0105811 A1\* 4/2009 Dinh et al. .... 623/1.41

## U.S. PATENT DOCUMENTS

D706,017 S \* 6/2014 King et al. .... D1/199 \* cited by examiner

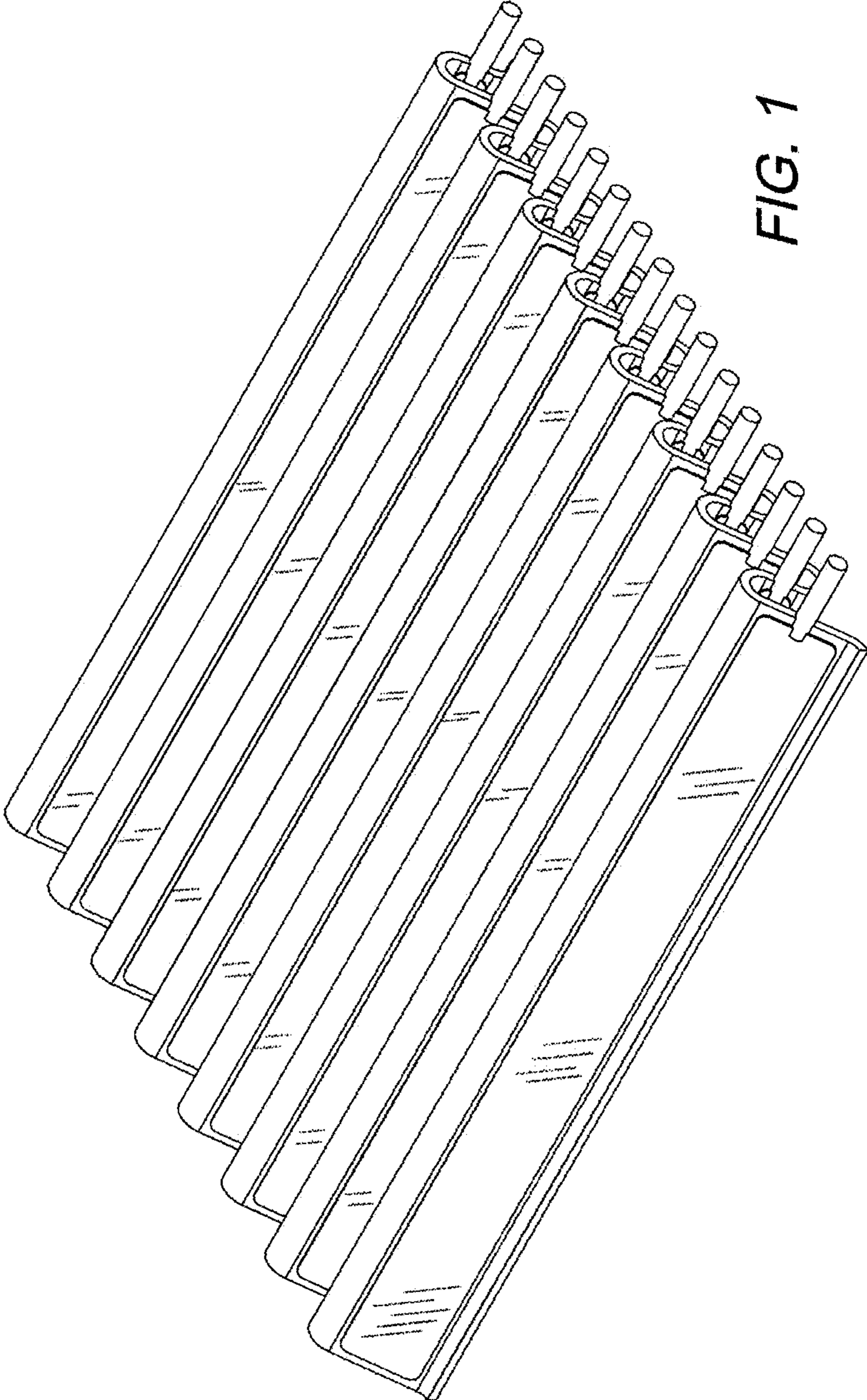


FIG. 1

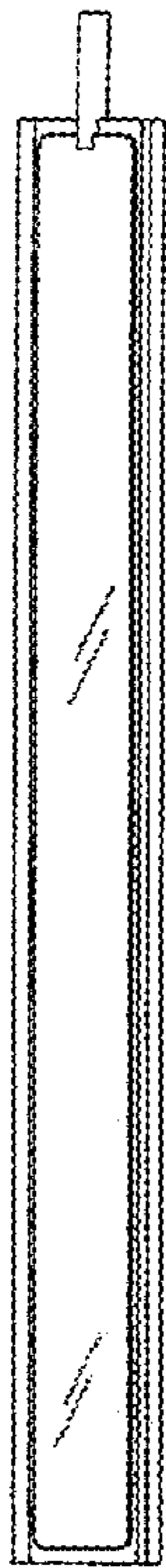


FIG. 3

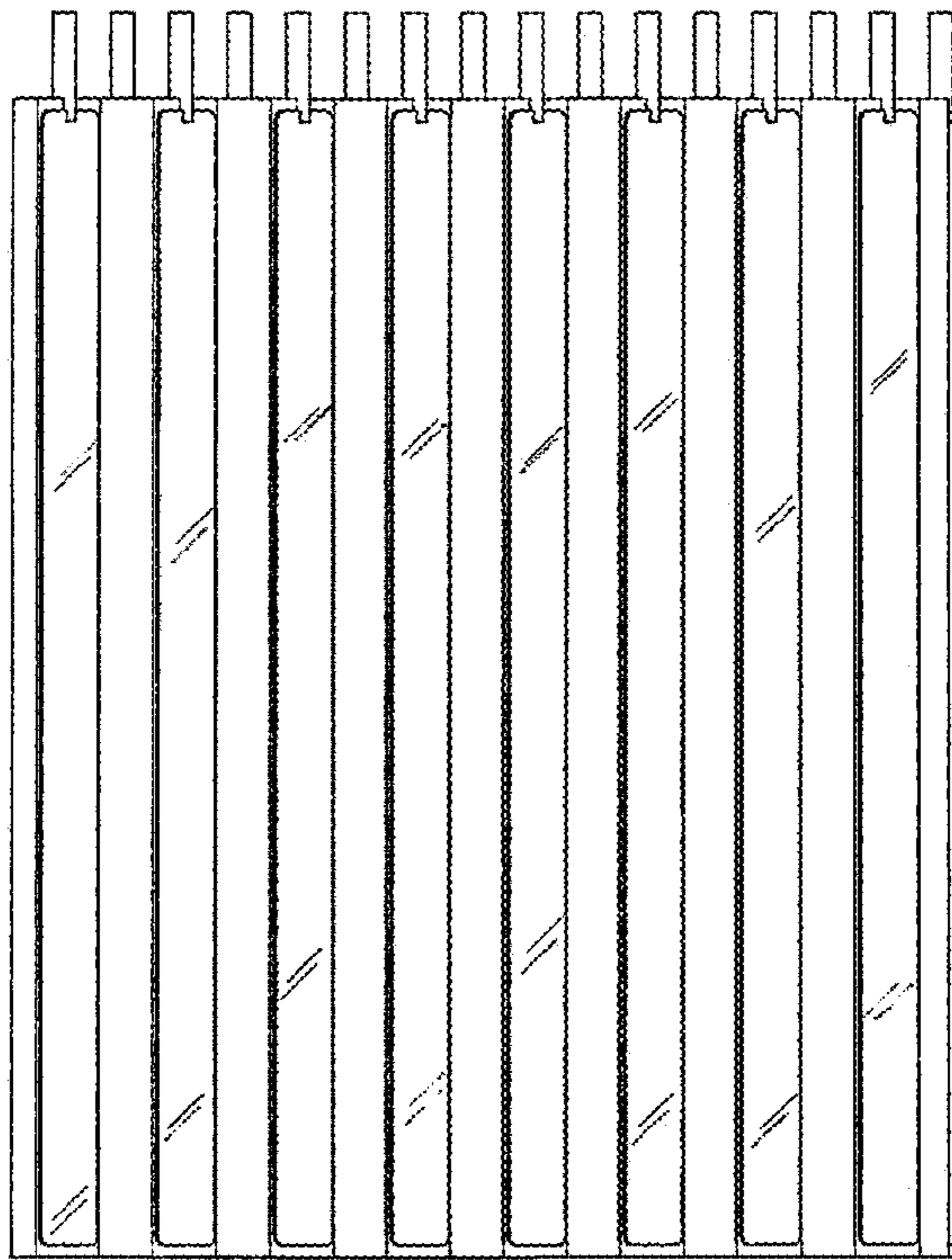


FIG. 5



FIG. 2

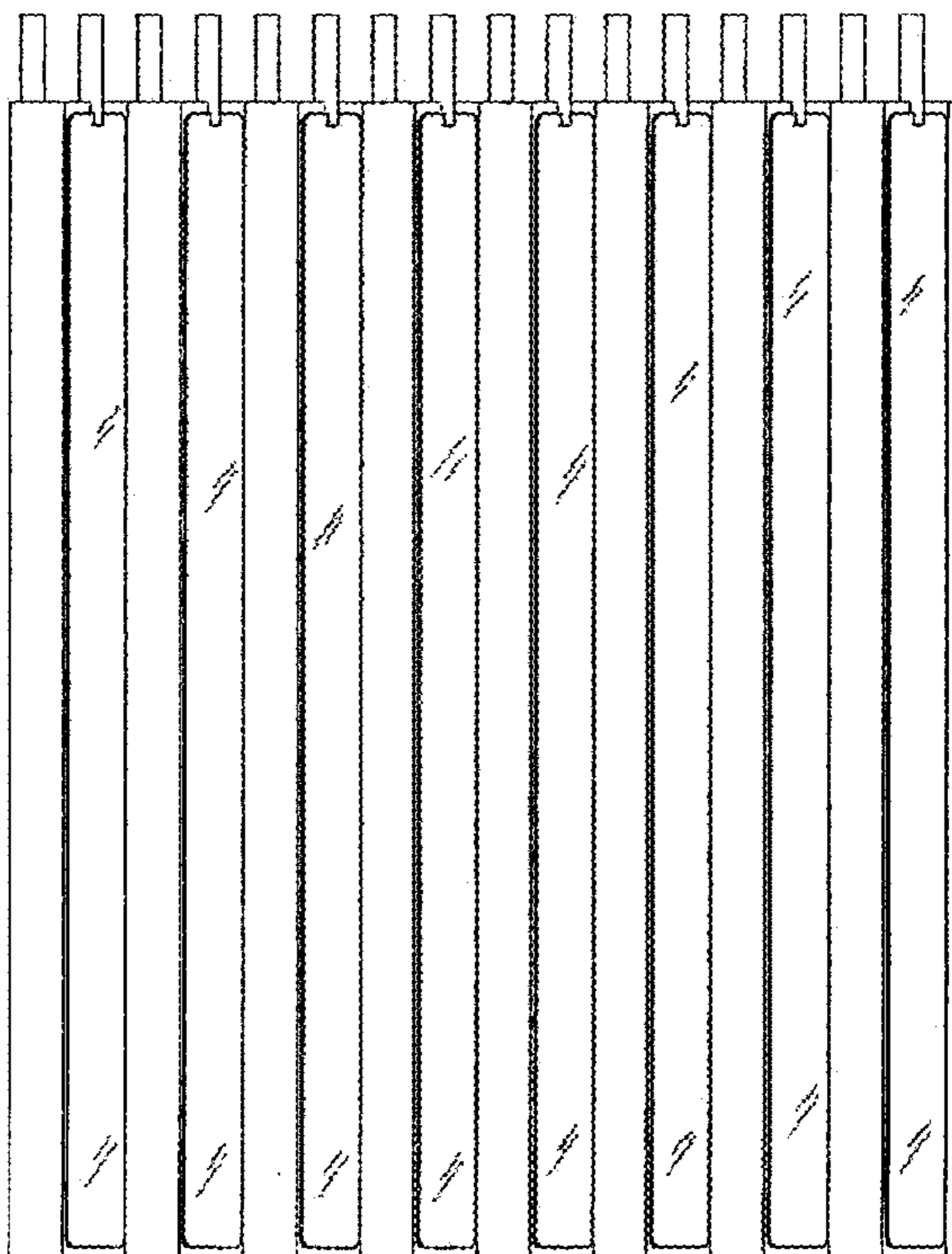


FIG. 4

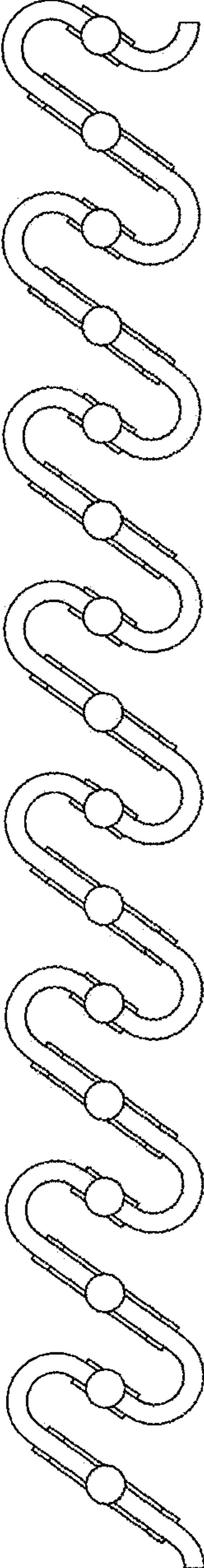


FIG. 6

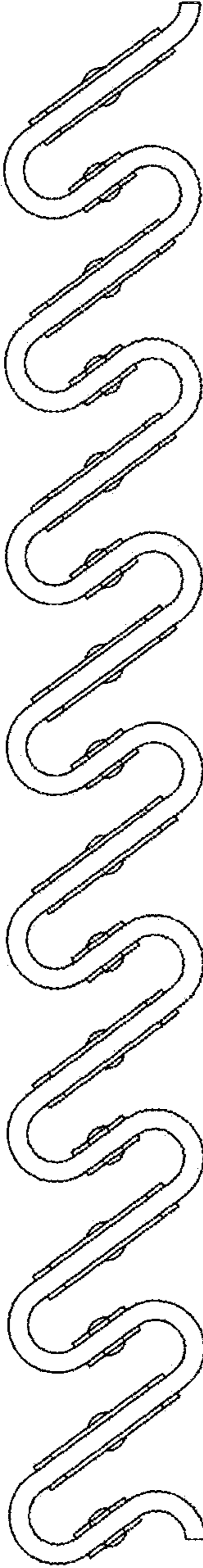


FIG. 7