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O'Neil et al.

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(54) **ACTUATOR FOR A PORTABLE ELECTRONIC DEVICE**
(75) Inventors: **Daniel G. O'Neil**, Seattle, WA (US);
Carl J. Ledbetter, Mercer Island, WA (US); **Kabir Siddiqui**, Sammamish, WA (US)

(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

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

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(52) **U.S. Cl.** **D14/439**; D14/247; D14/257;
D14/341; D14/456

(58) **Field of Classification Search** D14/137,
D14/138, 147-148, 247-248, 144, 257, 258,
D14/218, 341-347, 400, 401; 379/433.01-433.13,
379/434; 455/550.1-90.3, 575.3, 566, 575.1,
455/575.4, 575.6, 556.1, 556.2; D21/517,
D21/329, 331, 333; 345/169; D13/174, 175,
D13/168; 200/4, 570

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D275,502 S	*	9/1984	Nakao et al.	.....	D21/475
5,446,481 A	*	8/1995	Gillick et al.		
5,448,240 A	*	9/1995	Morito	.....	341/176
D415,770 S	*	10/1999	Nuovo	.....	D14/248
6,094,586 A	*	7/2000	Nishiyama et al.	.....	455/566
6,097,964 A	*	8/2000	Nuovo et al.	.....	455/566
D430,558 S	*	9/2000	Shindo	.....	D14/247
D432,123 S	*	10/2000	Nagai	.....	D14/257
6,211,474 B1	*	4/2001	Takahashi	.....	200/18
6,218,635 B1	*	4/2001	Shigemoto et al.	.....	200/570
D441,760 S	*	5/2001	Hibino	.....	D14/454
6,271,488 B1	*	8/2001	Sasaki	.....	200/4
6,332,024 B1	*	12/2001	Inoue et al.	.....	379/433.06
6,333,473 B1	*	12/2001	Sawada et al.	.....	200/4

6,370,362 B1	*	4/2002	Hansen et al.	.....	455/90.1
6,388,212 B1	*	5/2002	Ishihara et al.	.....	200/18
6,397,084 B1	*	5/2002	Wicks et al.	.....	455/566
D458,915 S	*	6/2002	Shintani	.....	D14/147
6,441,325 B1	*	8/2002	Takahashi et al.	.....	200/4

(Continued)

FOREIGN PATENT DOCUMENTS

JP	942460	*	12/1995
JP	1089452		8/2000

OTHER PUBLICATIONS

Catalog "Kirara Basso" Fushigi Remocon, 4 sheets, Sony, Oct. 1991.*

"DIME", published Oct. 5, 2000, cover and p. 135, Sony telephone.*

www.mobileburn.com, site visited Sep. 28, 2004, so505i telephone.*

Primary Examiner—Jeffrey Asch

(74) *Attorney, Agent, or Firm*—Banner & Witcoff, Ltd.

(57) **CLAIM**

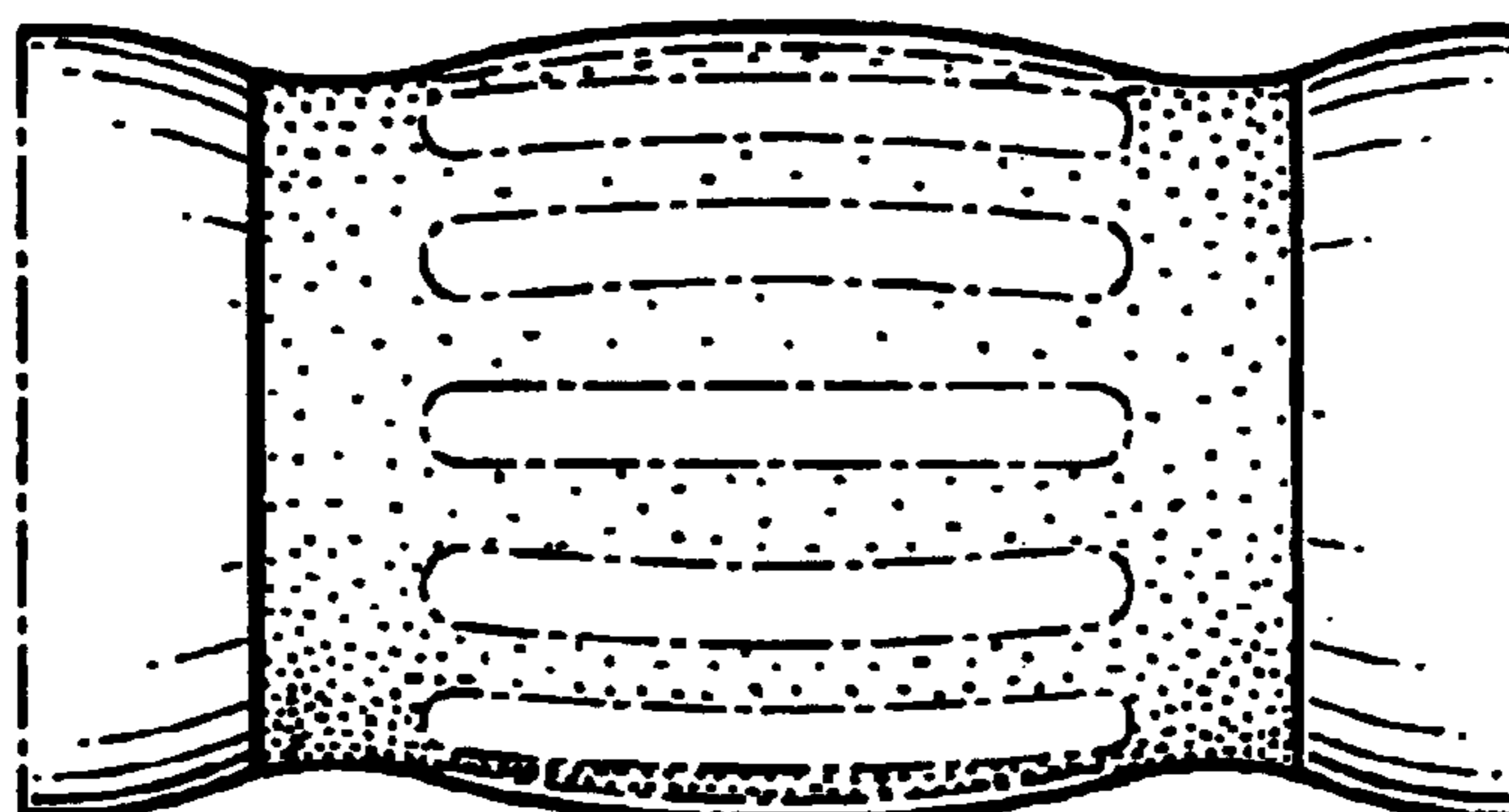
The ornamental design for an actuator for a portable electronic device, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of an actuator for a portable electronic device showing our new design; FIG. 2 is a second perspective view thereof; FIG. 3 is a top plan view thereof with the opposite plan view being identical in appearance; and, FIG. 4 is a third perspective view thereof showing the actuator within a disclaimed exemplary portable electronic device.

The broken line representation of the rounded rectangular regions and end portions in all of the figures and the remainder of the portable electronic device in FIG. 4 is for illustrative purposes only and forms no part of the claimed design. The contrast in shading techniques represents a contrast in appearance and does not represent any specific color, material or texture.

1 Claim, 3 Drawing Sheets



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U.S. PATENT DOCUMENTS

6,555,768	B1 *	4/2003	Deruginsky et al.	200/4	2001/0004584	A1 *	6/2001	Aquilar et al.	455/90
6,570,596	B1 *	5/2003	Frederiksen	715/808	2001/0018351	A1 *	8/2001	Hino et al.	455/552
6,571,086	B1 *	5/2003	Uusimaki	379/368	2002/0086698	A1 *	7/2002	Sawada et al.	455/550
6,717,572	B1 *	4/2004	Chou et al.	345/157	2004/0106428	A1 *	6/2004	Shoji	455/550.1
6,726,106	B1 *	4/2004	Han et al.	235/472.01	2004/0110540	A1 *	6/2004	Sato et al.	455/566
6,774,322	B1 *	8/2004	Morinishi et al.	200/5 R	2004/0198460	A1 *	10/2004	Sakuta et al.	455/566
6,785,565	B1 *	8/2004	Gventer	455/575.4	2004/0204025	A1 *	10/2004	Siddiqui	455/550.1
D495,693	S *	9/2004	Yonekawa et al.	D14/345					

* cited by examiner

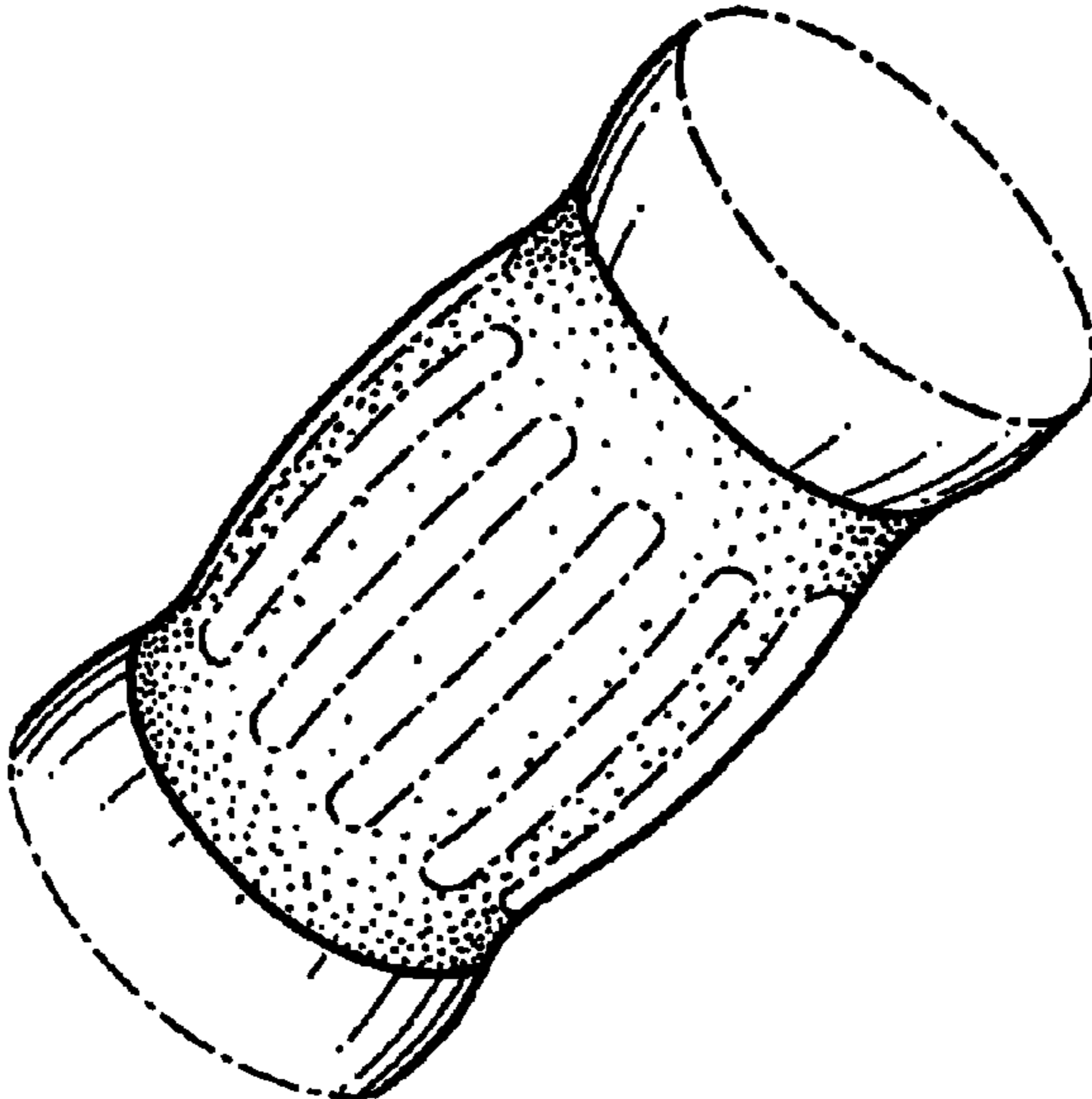


FIG. 2

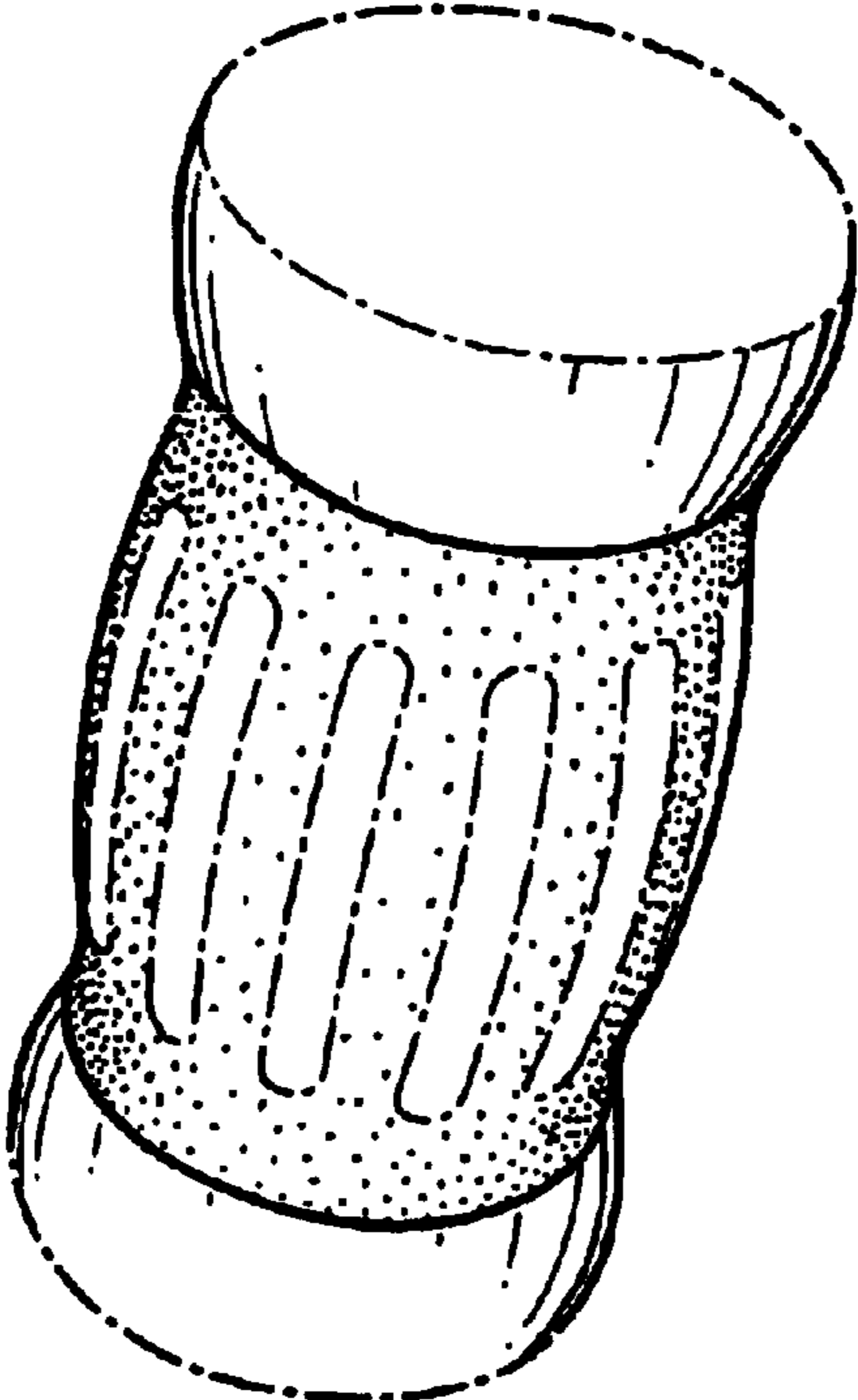


FIG. 1

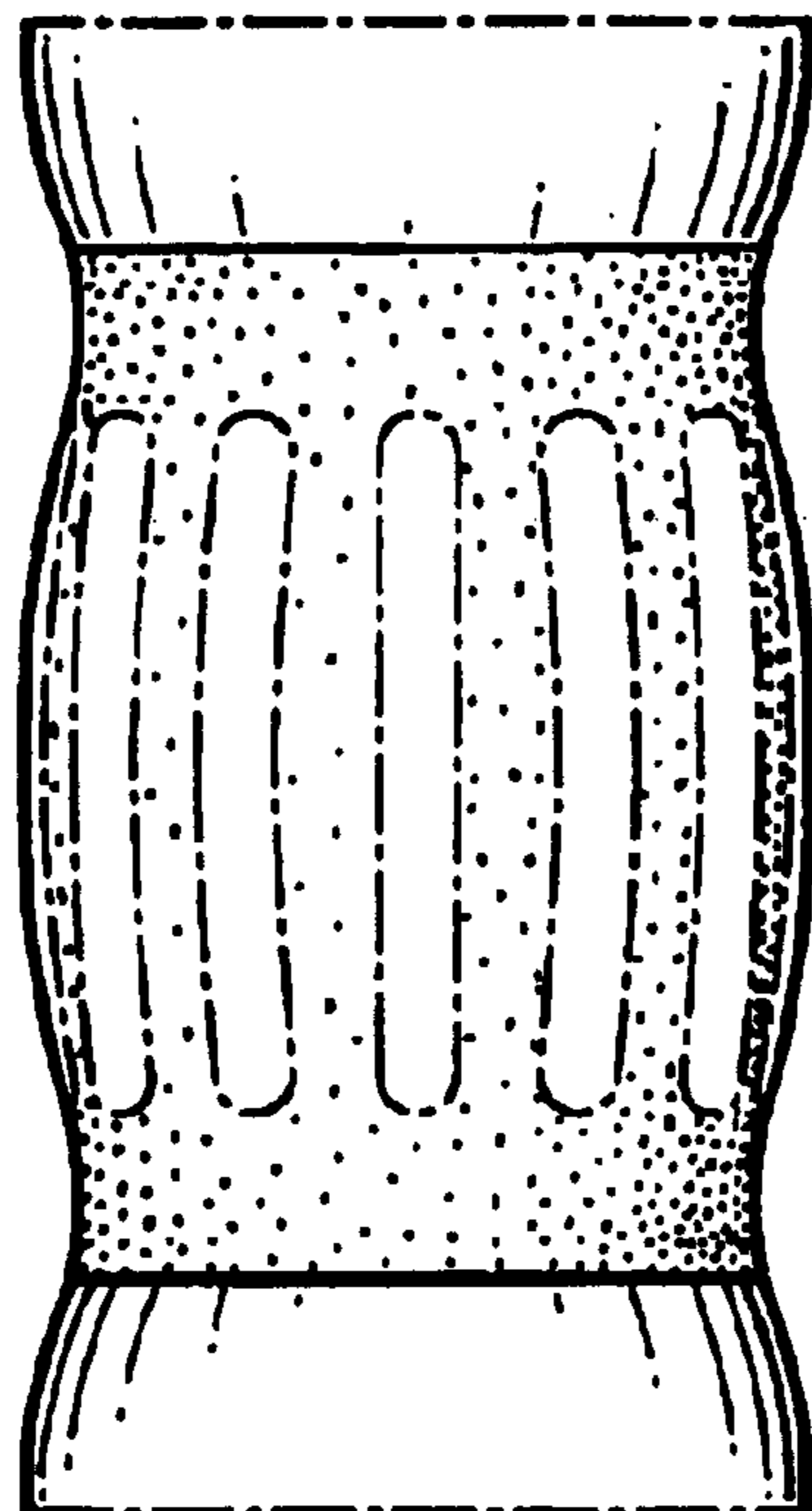


FIG.3

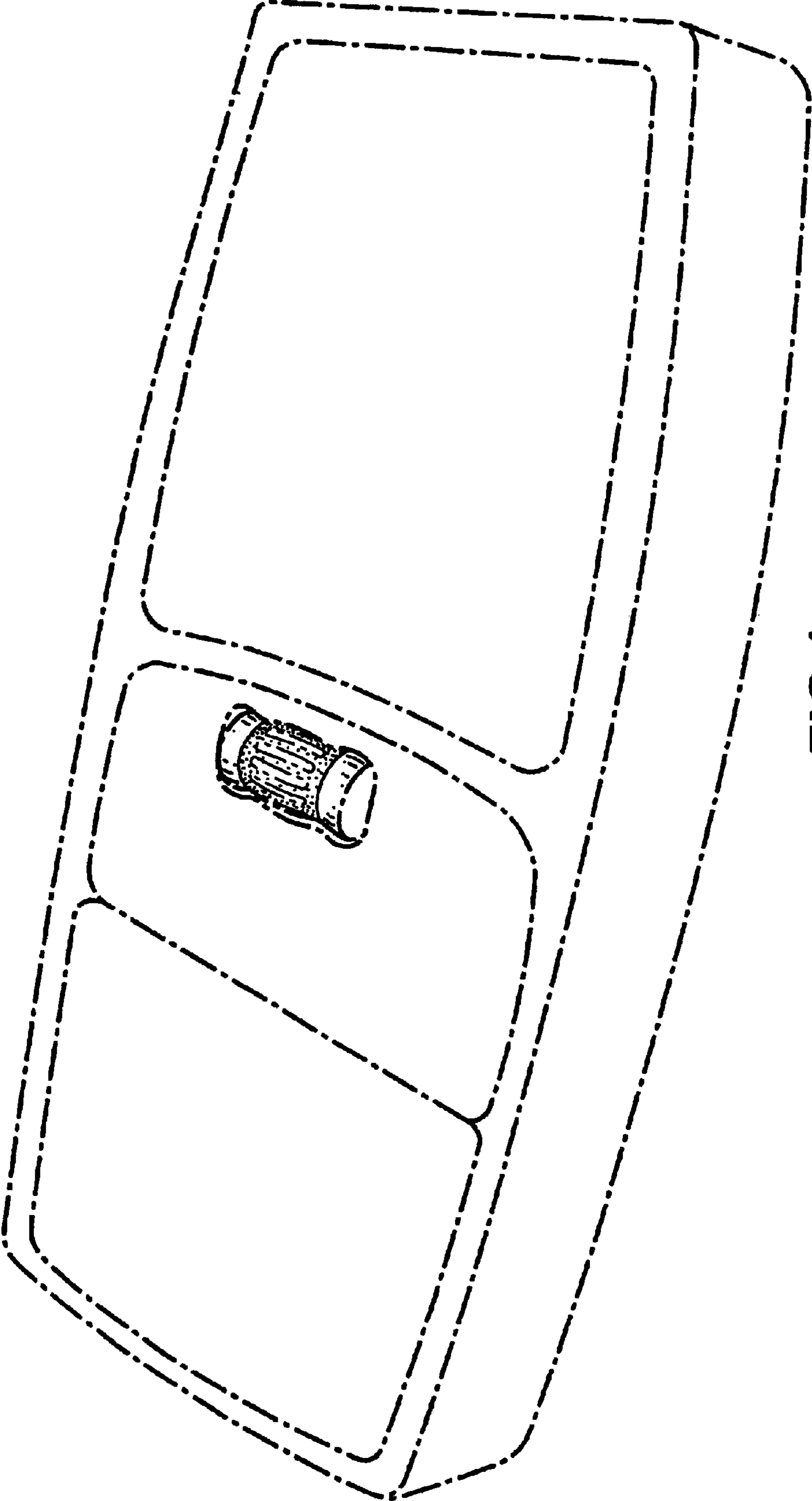


FIG.4