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(12) **United States Design Patent**
Komulainen

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(54) **HEART RATE MONITOR**

(75) Inventor: **Olli Komulainen**, Oulu (FI)

(73) Assignee: **Polar Electro Oy**, Kempele (FI)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (7) Cl.** **24-02**

(52) **U.S. Cl.** **D24/167; D10/31**

(58) **Field of Search** D10/1-39, 122-132;
368/276-277, 285, 281-282, 10; D11/3-25;
63/1.11, 3, 5, 11; D24/166, 167; 600/500,
503

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D. 254,964 5/1980 Hofman .
- D. 287,403 * 12/1986 Kiiski et al. D24/167
- D. 303,092 * 8/1989 Wakamatsu D10/31
- D. 331,020 * 11/1992 Ishii et al. D10/31
- D. 331,021 * 11/1992 Ishii et al. D10/31
- D. 344,468 2/1994 Kaneko .
- D. 355,610 * 2/1995 Sugita D10/31
- D. 355,858 * 2/1995 Sugita D10/31
- D. 362,946 10/1995 Polenberg .
- D. 365,532 12/1995 Crow et al. .
- D. 366,425 * 1/1996 Hirose D10/31
- D. 373,419 9/1996 Muramatsu et al. .
- D. 377,314 * 1/1997 Moriai et al. D10/38
- D. 383,396 * 9/1997 Houlihan D10/30
- D. 387,692 12/1997 Hanagata .
- D. 394,391 5/1998 Bruce et al. .
- D. 394,392 5/1998 Bruce et al. .
- D. 394,394 5/1998 Bruce et al. .
- D. 394,395 * 5/1998 Bruce et al. D10/30
- D. 397,952 9/1998 Bruce et al. .
- D. 398,246 9/1998 Bruce et al. .
- D. 398,999 9/1998 Maeda et al. .

- D. 399,433 10/1998 Bruce et al. .
- D. 403,070 12/1998 Maeda et al. .
- D. 404,320 1/1999 Chodat .
- D. 404,328 1/1999 Brunner et al. .
- D. 406,346 3/1999 Hirakawa .
- D. 407,340 3/1999 Moriai .
- D. 407,342 3/1999 Ishizaka .
- D. 407,492 3/1999 Lubs et al. .
- D. 407,990 4/1999 Akagi .

(List continued on next page.)

OTHER PUBLICATIONS

Polar Manufacturer's literature concerning various products—"Exercise Smarter . . . Not Harder"; Place of Publication: United States; Copyright: 1998.

Information regarding Nike Triax Watches including photocopy of Nike Triax 42, and information obtained at www.nike.com; Product available in the United States prior to May 5, 1999.

Polar Product Catalog '98. Place of Publication: United States; Date of Publication: Unknown.

Primary Examiner—Nelson C. Holtje

(74) *Attorney, Agent, or Firm*—Hoffmann & Baron, LLP

(57) **CLAIM**

The ornamental design of a heart rate monitor, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a heart rate monitor showing my new design;

FIG. 2 is a top view thereof;

FIG. 3 is a right side view thereof;

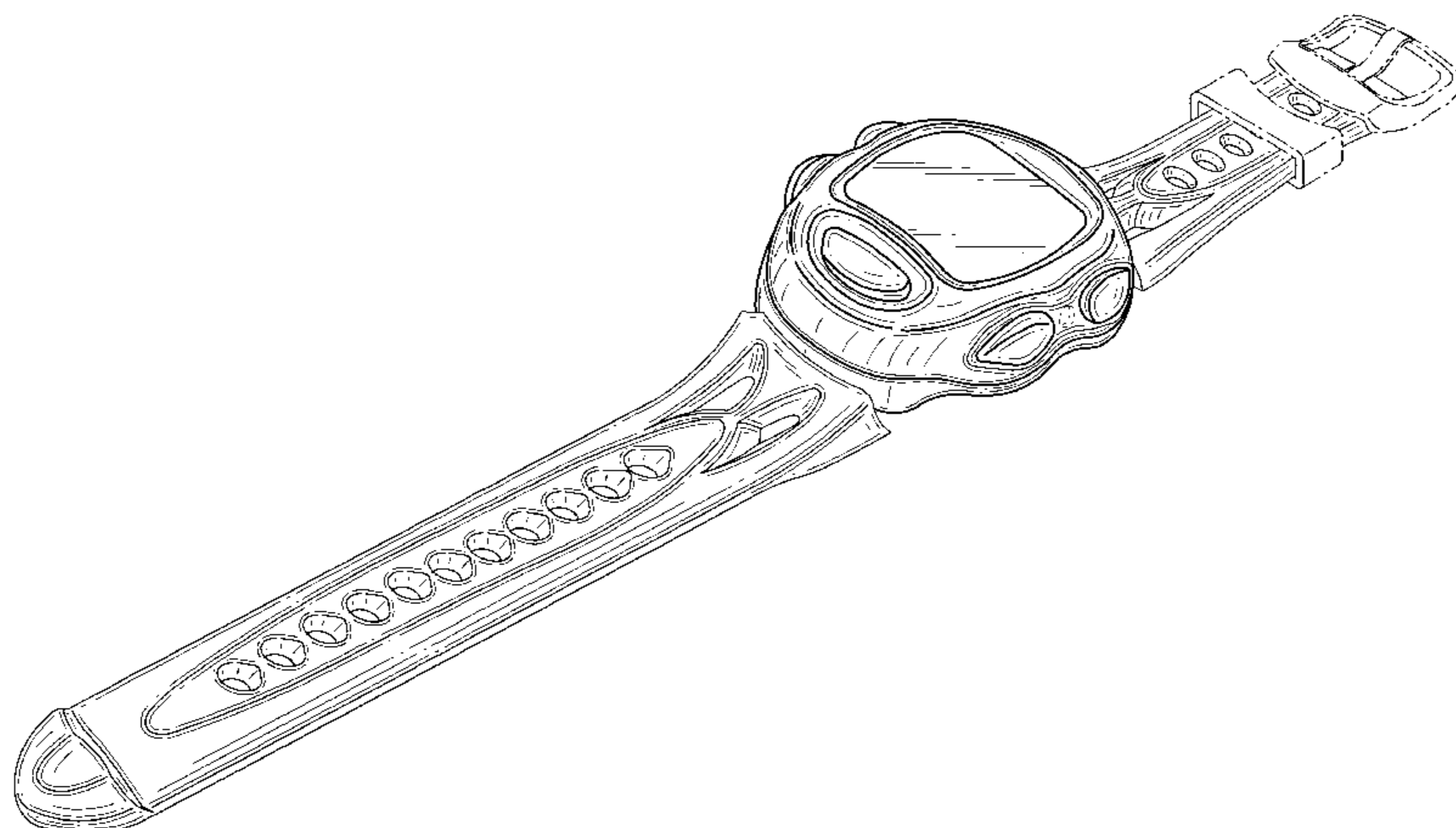
FIG. 4 is a left side view thereof;

FIG. 5 is a front view thereof; and,

FIG. 6 is a back view thereof.

The bottom which is not shown in the drawings forms no part of the claimed design. The subject matter shown in broken lines also forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



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U.S. PATENT DOCUMENTS

D. 409,940	5/1999	Spandrio et al. .		D. 445,041 *	7/2001	Tan et al.	D10/32
D. 410,406	6/1999	Iwamoto et al. .		2,035,671	3/1936	Sauer, Jr. .	
D. 426,637	6/2000	Ochi et al. .		2,481,865	9/1949	Penfold .	
D. 427,916 *	7/2000	Paredes et al.	D10/30	2,513,782	7/1950	Berkeley .	
D. 429,468 *	8/2000	Nakai et al.	D10/31	4,668,100 *	5/1987	Murakami et al.	368/10
D. 435,462 *	12/2000	Chung	D10/32	5,316,008 *	5/1994	Suga et al.	128/700
D. 440,163 *	4/2001	Callis	D10/31	5,687,732	11/1997	Inagaki et al. .	
D. 441,302 *	5/2001	Tomimatsu	D10/30	5,735,800 *	4/1998	Yasukawa et al.	600/503
D. 442,499 *	5/2001	Syoubayashi	D10/30	5,795,300	8/1998	Bryars .	
D. 444,713 *	7/2001	Riley	D10/30	5,807,267 *	9/1998	Bryars et al.	600/500

* cited by examiner

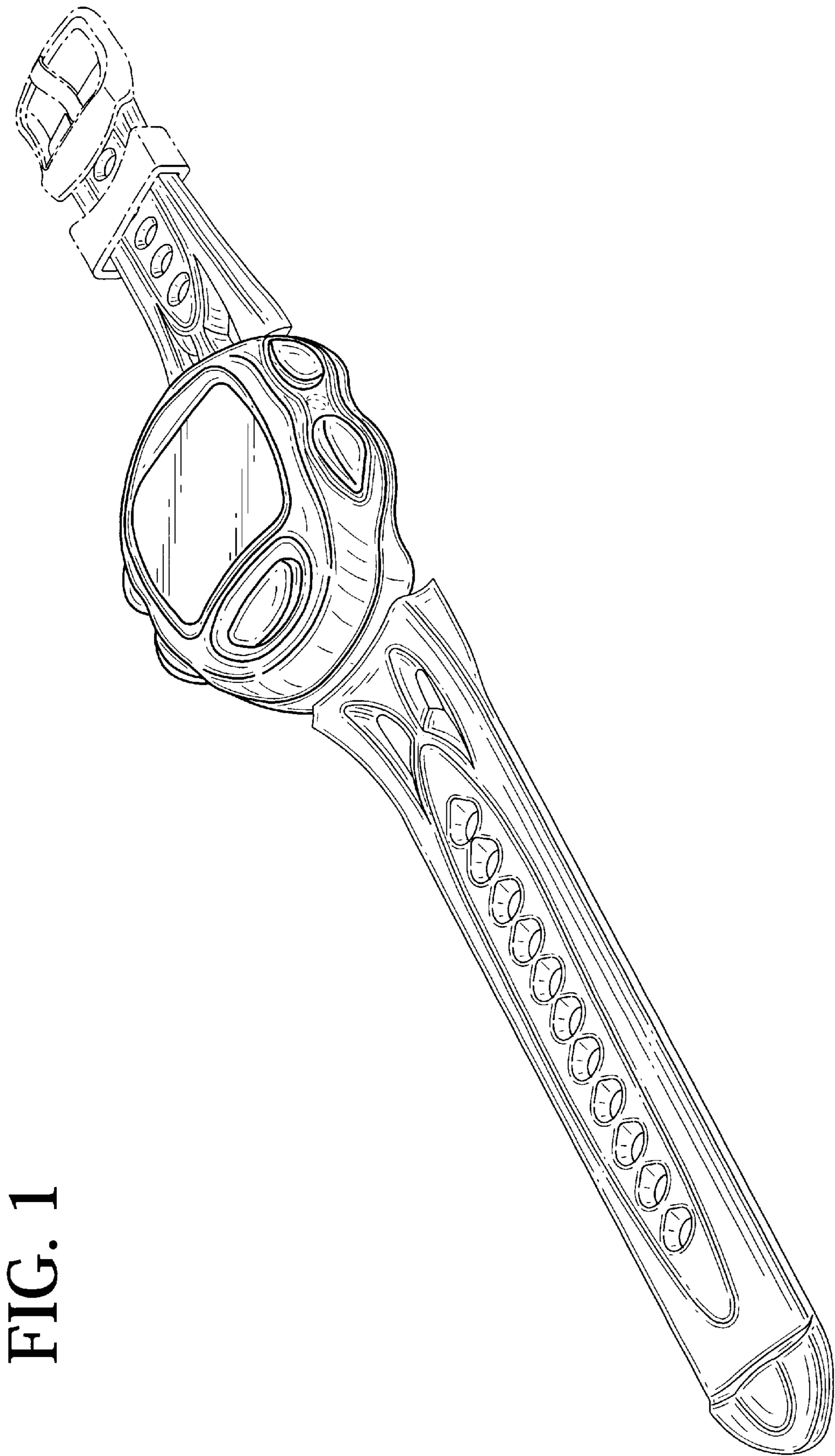


FIG. 1

FIG. 2

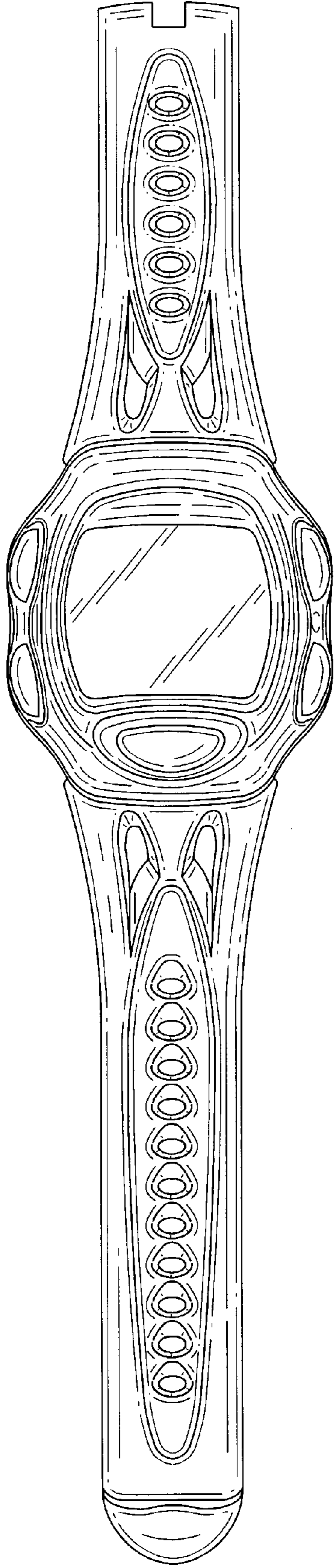


FIG. 3

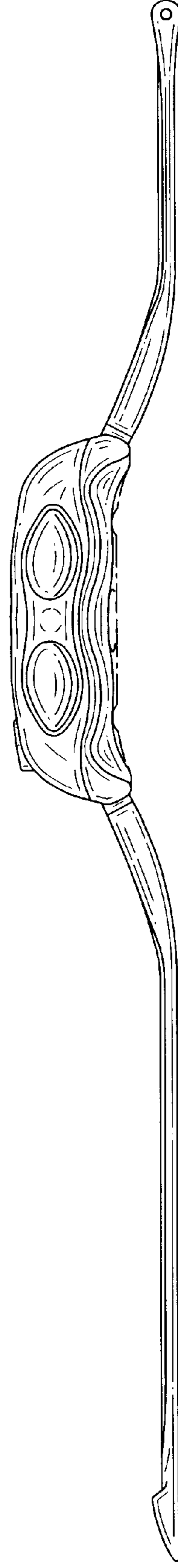


FIG. 4

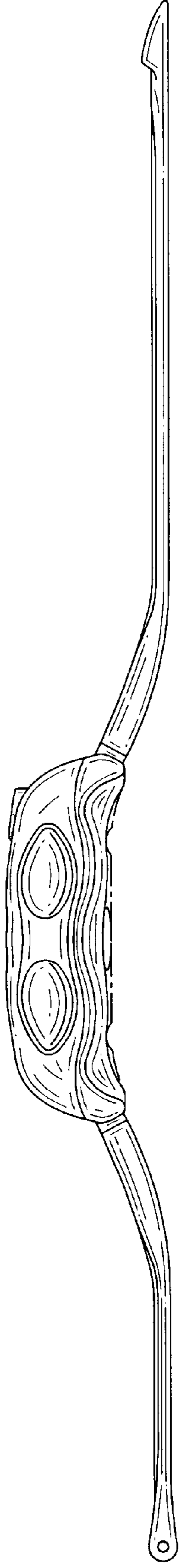


FIG. 5

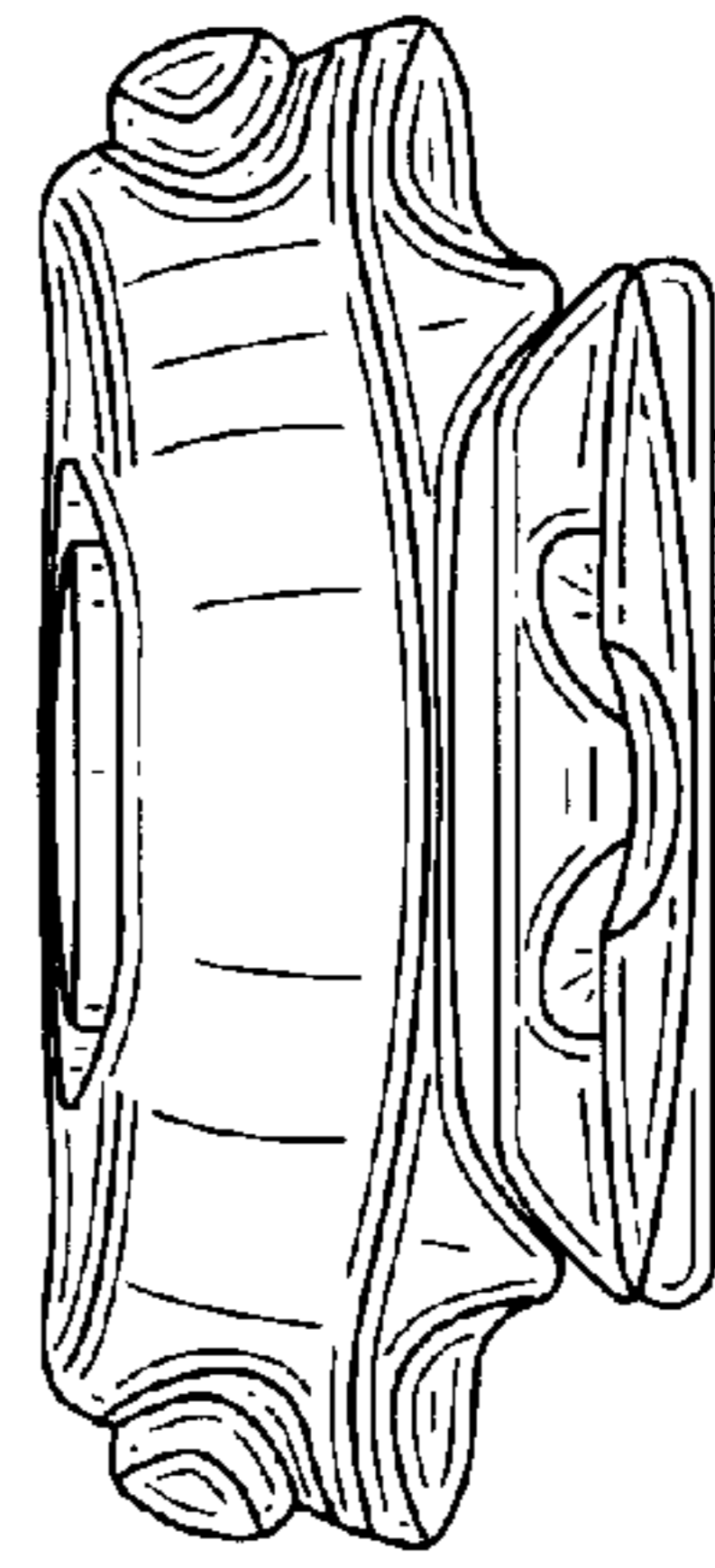


FIG. 6

