



US00D817486S

(12) **United States Design Patent** (10) **Patent No.:** **US D817,486 S**  
**Corato et al.** (45) **Date of Patent:** **\*\* May 8, 2018**

(54) **LINE MANAGEMENT DEVICE FOR  
RETAINING AND POSITIONING WIRES  
AND TUBES**

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(\*\*) Term: **15 Years**

(21) Appl. No.: **29/598,975**

(22) Filed: **Mar. 30, 2017**

**Related U.S. Application Data**

(63) Continuation of application No. 13/458,635, filed on  
Apr. 27, 2012.

(51) **LOC (11) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/128**

(58) **Field of Classification Search**  
USPC ..... D24/127-131, 112, 186; 224/221;  
604/179, 231  
CPC .... A61M 5/42; A61M 25/0612; A61M 27/00;  
A61M 25/02  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,782,404 A 11/1930 Bowly et al.  
2,449,882 A 9/1948 Daniels  
3,059,645 A 10/1962 Hasbrouck et al.  
4,088,136 A 5/1978 Hasslinger et al.

4,316,461 A 2/1982 Marais et al.  
D271,160 S \* 11/1983 Sherwin ..... 224/221  
4,480,639 A 11/1984 Peterson et al.  
4,671,787 A 6/1987 Widman  
5,084,026 A 1/1992 Shapiro  
5,353,974 A \* 10/1994 Maurizio ..... A45F 5/00  
224/183

5,395,343 A 3/1995 Iscovich  
5,397,639 A 3/1995 Tollini  
5,549,567 A \* 8/1996 Wolman ..... A61M 25/02  
128/DIG. 26  
5,690,617 A \* 11/1997 Wright ..... A61M 25/02  
128/DIG. 26

5,876,371 A 3/1999 Yokoyama et al.  
(Continued)

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(57) **CLAIM**

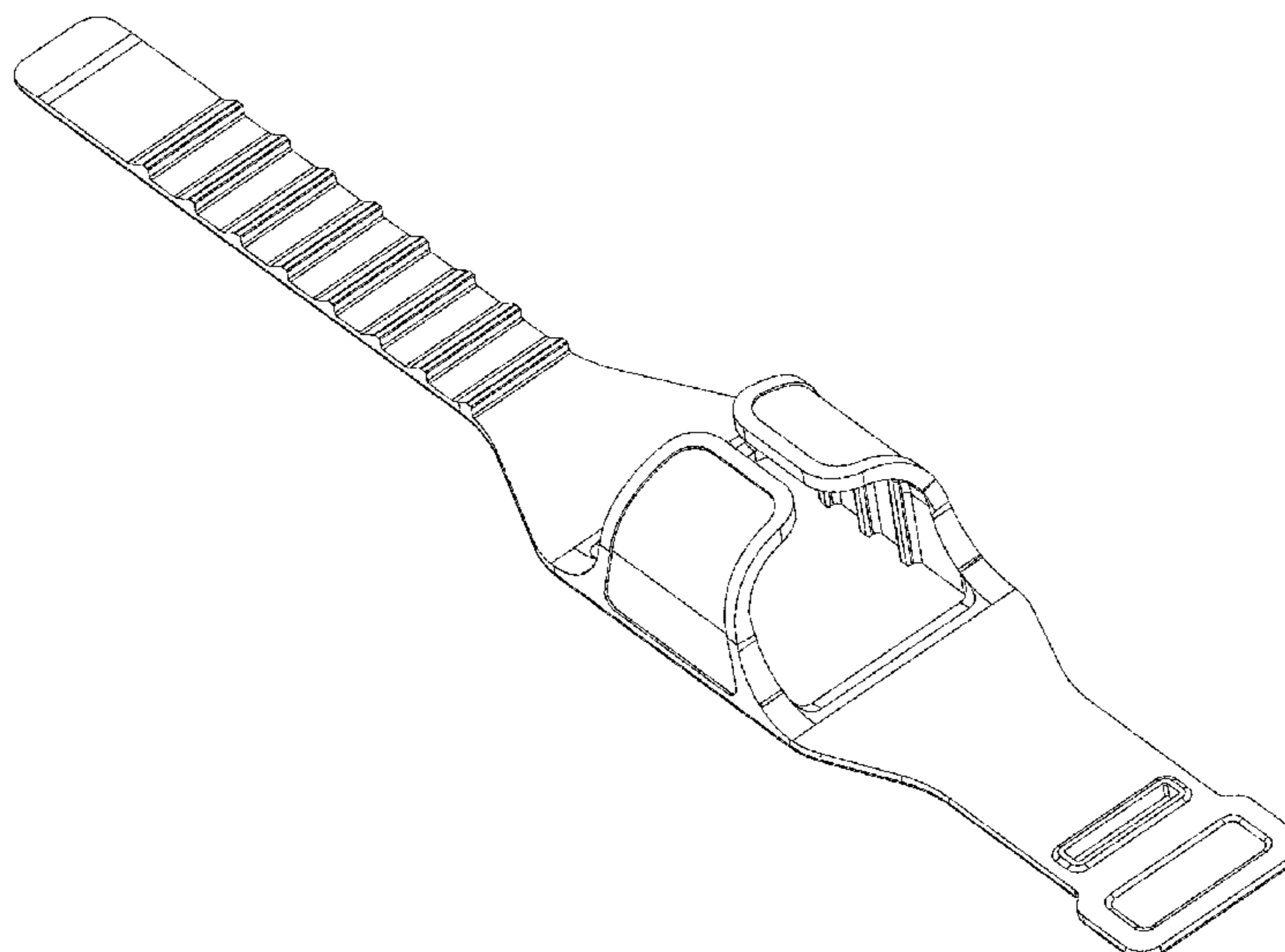
The ornamental design for a line management device for  
retaining and positioning wires and tubes, as shown and  
described.

**DESCRIPTION**

FIG. 1 is an isometric view of a line management device for  
retaining and positioning wires and tubes showing my new  
design.

FIG. 2 is a top plan view thereof;  
FIG. 3 is a side elevation view thereof;  
FIG. 4 is an opposite side elevation view thereof;  
FIG. 5 is an end elevation view thereof;  
FIG. 6 is an opposite end elevation view thereof; and,  
FIG. 7 is a front view a line management device for retaining  
and positioning wires and tubes showing my new design in  
operation to retain and position the wires to a call device.  
The broken line showing of parts of the drawings is included  
for the purpose of illustrating use and environment and  
forms no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D424,692 S 5/2000 Monaghan et al.  
 6,315,759 B1 11/2001 Peterson  
 6,321,957 B1 \* 11/2001 Rossi ..... A01K 27/006  
 206/811  
 6,500,154 B1 12/2002 Hakky et al.  
 6,526,981 B1 3/2003 Rozier et al.  
 6,544,232 B1 4/2003 McDaniel  
 7,255,251 B1 8/2007 Smith  
 7,413,561 B2 \* 8/2008 Raulerson ..... A61M 25/02  
 604/174  
 7,624,480 B2 \* 12/2009 Coronel ..... A61M 25/02  
 128/DIG. 15  
 D622,840 S 8/2010 Heitkamp  
 7,766,289 B2 8/2010 Newkirk et al.  
 8,152,776 B2 \* 4/2012 McCluskey ..... A61M 5/1418  
 604/178  
 8,408,436 B2 \* 4/2013 Berry ..... A63B 24/00  
 224/176  
 8,834,425 B2 \* 9/2014 Bracken ..... A61L 24/0031  
 604/174  
 8,857,434 B2 \* 10/2014 Han ..... A61M 16/0683  
 128/207.11  
 9,004,329 B2 \* 4/2015 Hsieh ..... G04G 17/08  
 224/169  
 9,878,129 B2 \* 1/2018 Larkin ..... A61M 25/02  
 2005/0137496 A1 6/2005 Walsh et al.  
 2006/0064950 A1 3/2006 Ford et al.  
 2009/0105656 A1 4/2009 Schaeffer  
 2009/0281502 A1 11/2009 Heitkamp  
 2012/0277682 A1 11/2012 Corato et al.

\* cited by examiner

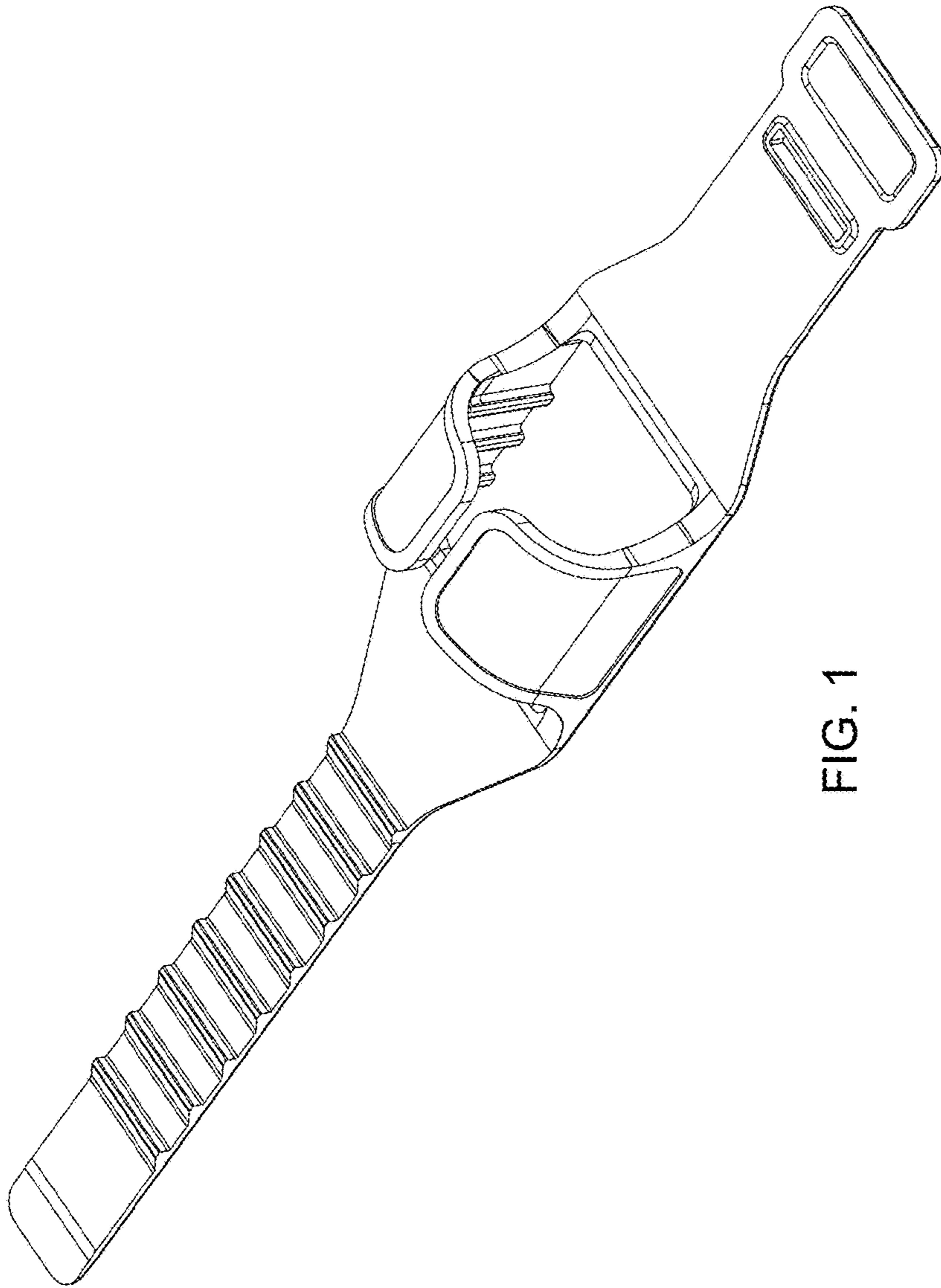


FIG. 1

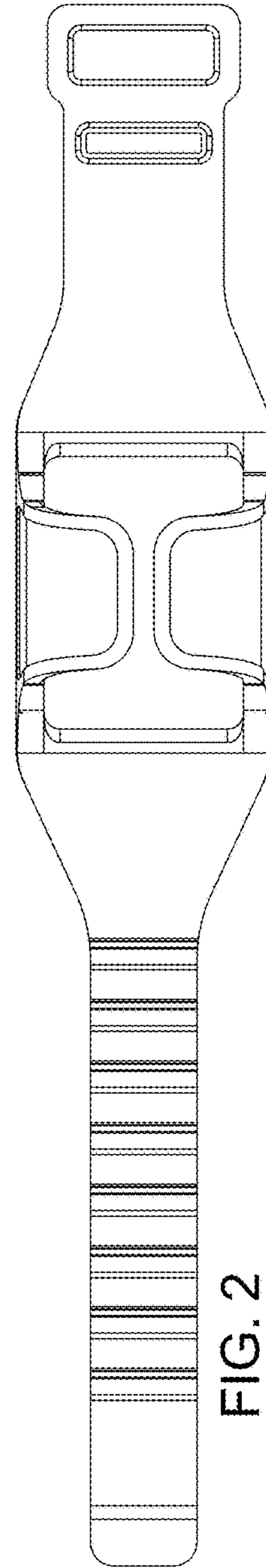


FIG. 2

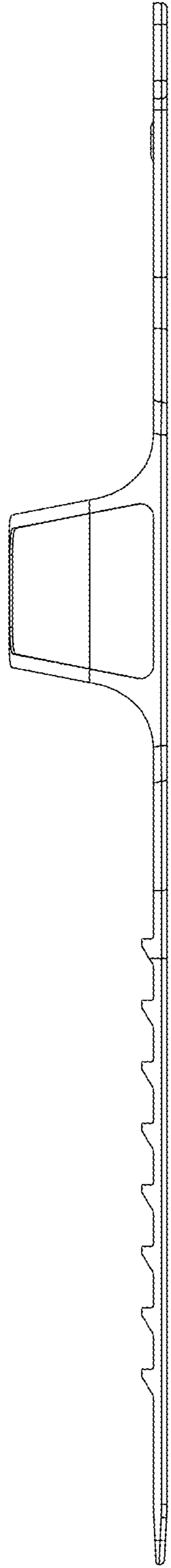


FIG. 3

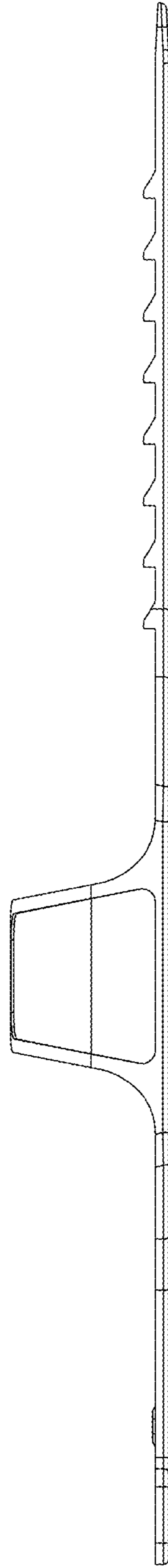


FIG. 4

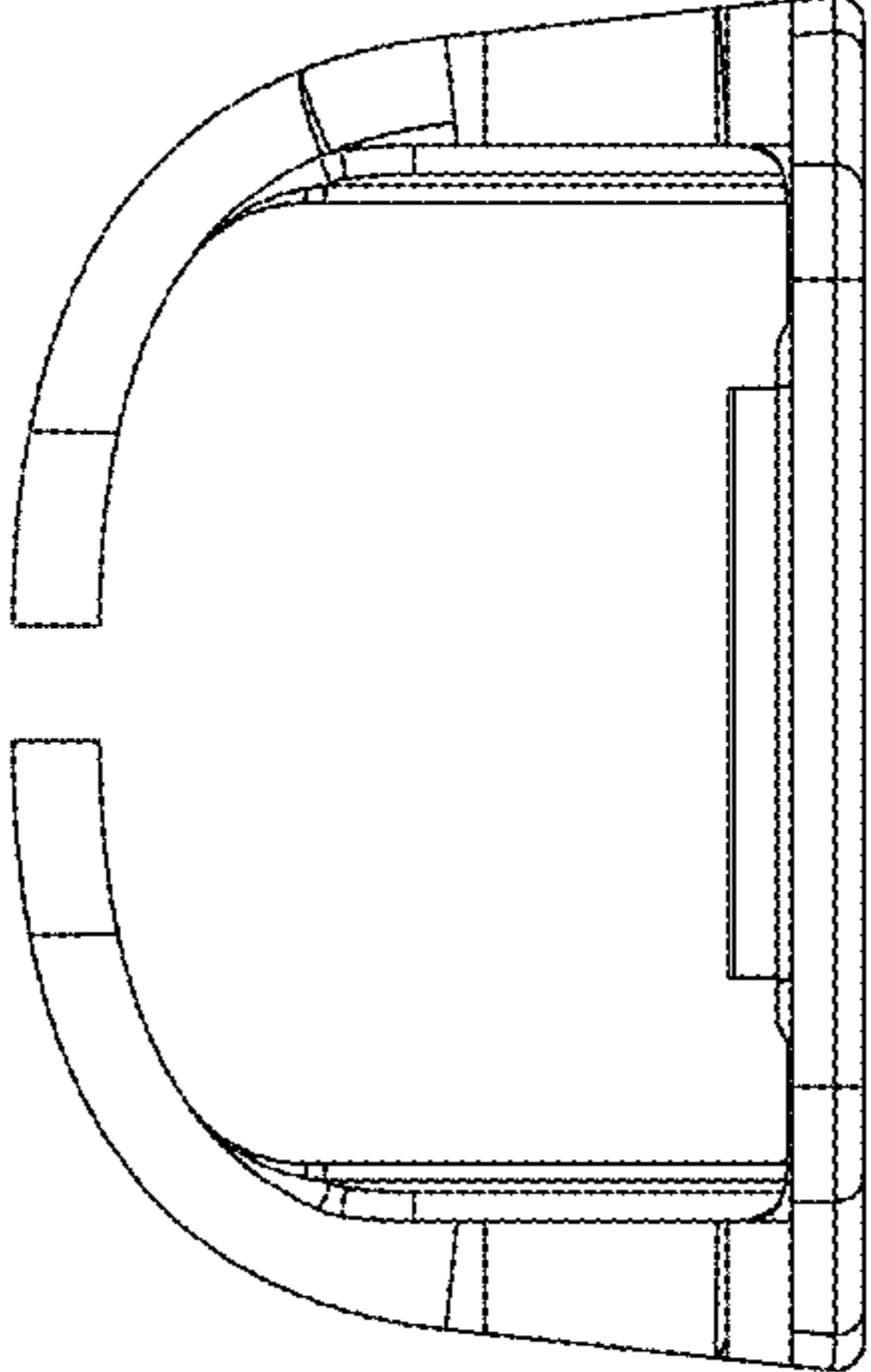


FIG. 5

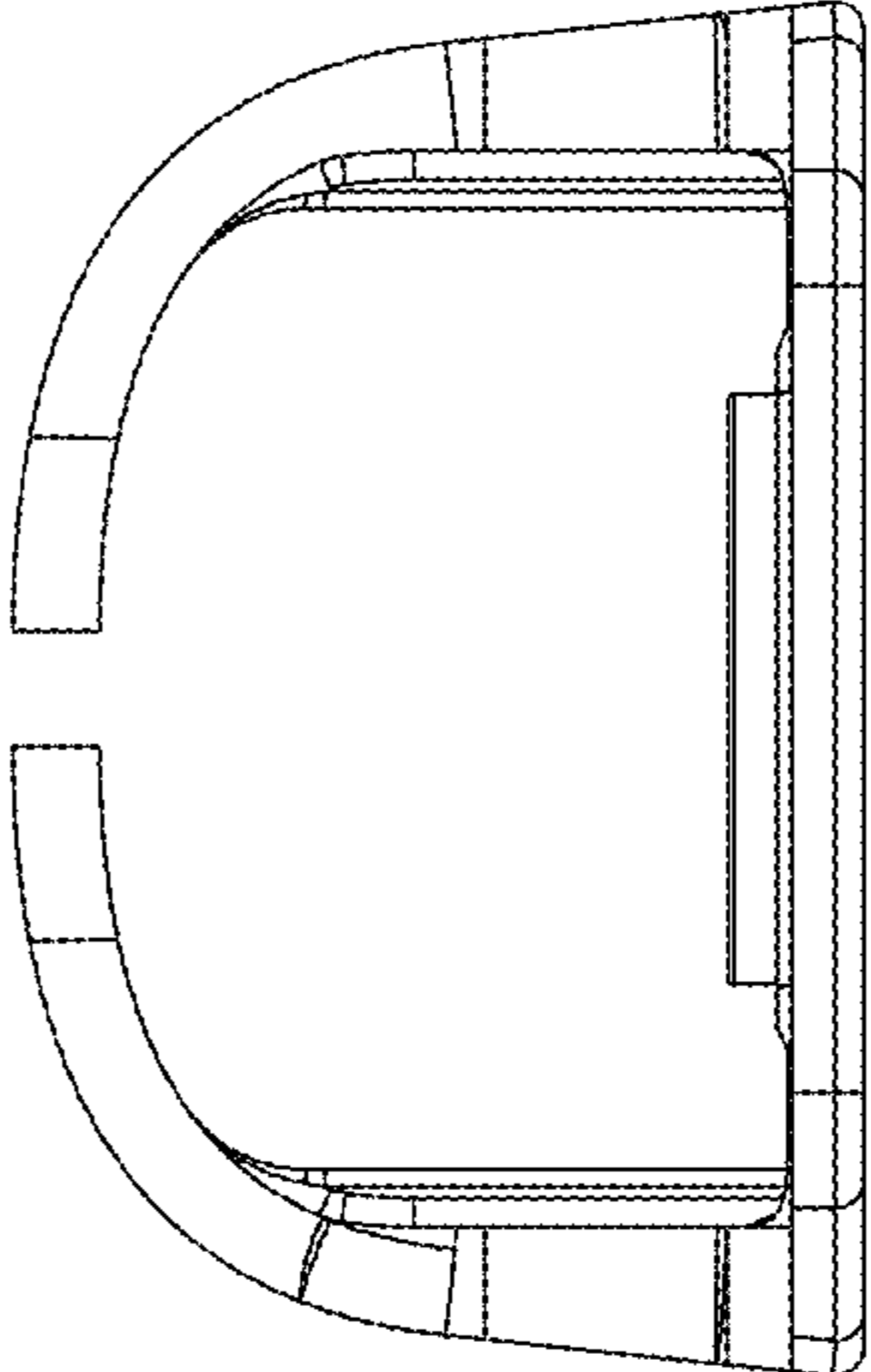


FIG. 6

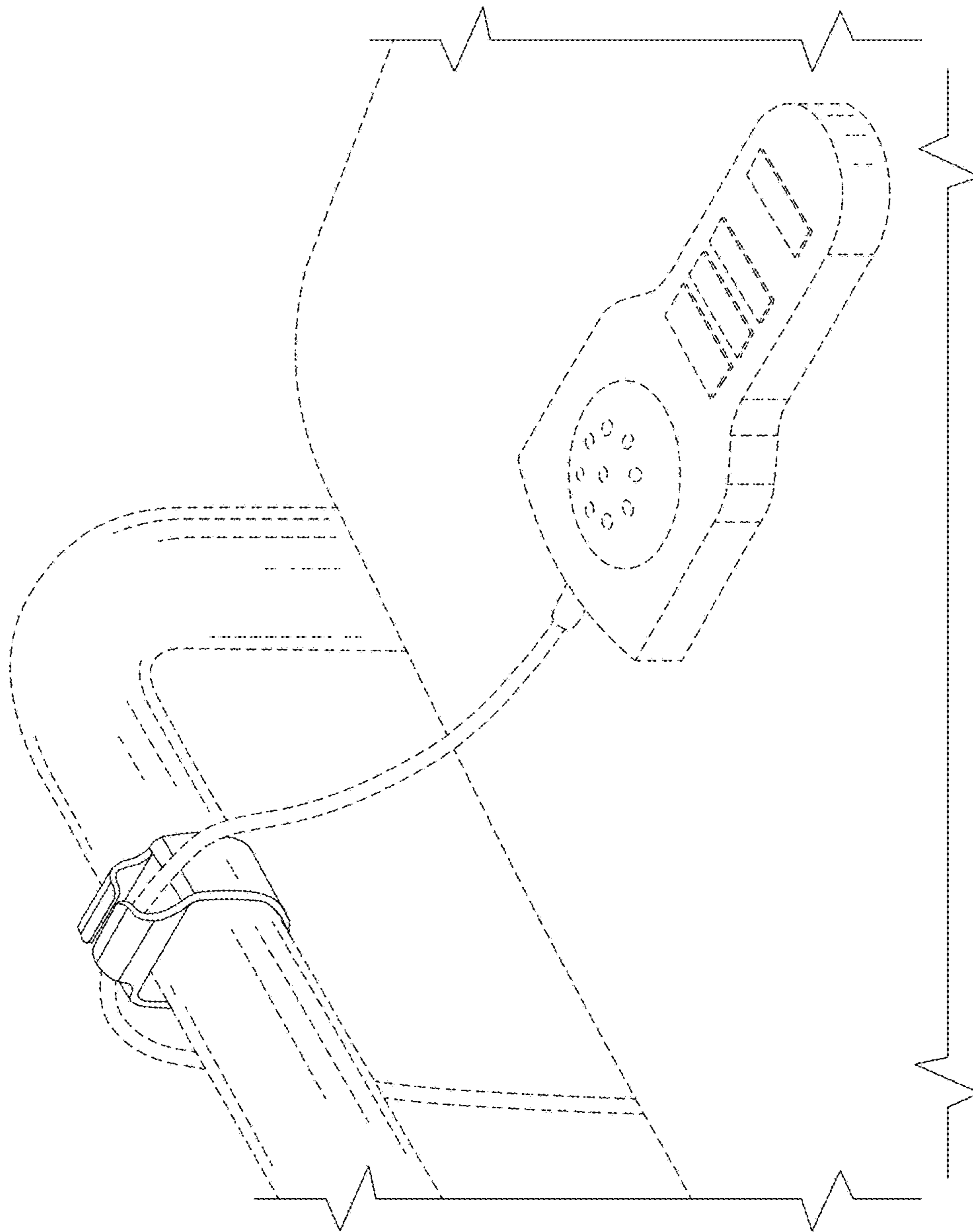


FIG. 7