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

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(54) **RADIO FREQUENCY IDENTIFICATION (RFID) READER**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/426; D14/420**

(58) **Field of Classification Search**

USPC D14/420, 426-430, 453, 346, 341, 347, D14/412, 480.5, 484.1, 480.3, 480.4, D14/480.1, 435.1, 507, 510, 154, 158, D14/163, 160, 167, 168, 171, 172, 192, D14/193, 196, 203.1, 203.3, 203.5, 226, D14/238.1, 242, 356, 357, 358, 359, 637, D14/496; D24/155, 186, 211, 214, 152; 340/539.32, 539.13, 815.42, 825.49, 340/5.52-5.53, 5.8, 5.81-5.83, 572.1; D10/78, 104, 116, 70, 47, 106.1, 57, 103, D10/106.9; D13/168, 108, 107, 184, 147, D13/118, 119, 103, 106; 235/383, 235/472.01-472.03, 462.43, 462.45, 454, 235/460, 462.3, 462.01, 472, 472.2, 435, 235/375, 462.47, 462.48, 462.44, 462.46, 235/487; D21/329; 382/115, 124, 382/125-127, 313, 321; 902/3-5; 400/489; 379/433.07; 312/223.2, 263;

348/836-839, 843, 66; 220/783; 362/157, 158; D26/37, 45, 50, 38, 40; D23/213; D22/117; D28/35; D9/415; D3/207, 208, 209; 358/473; 16/110.1, 16/430, 431; 439/133, 135; 709/219, 709/201; 710/73; 320/114, 115, 123;
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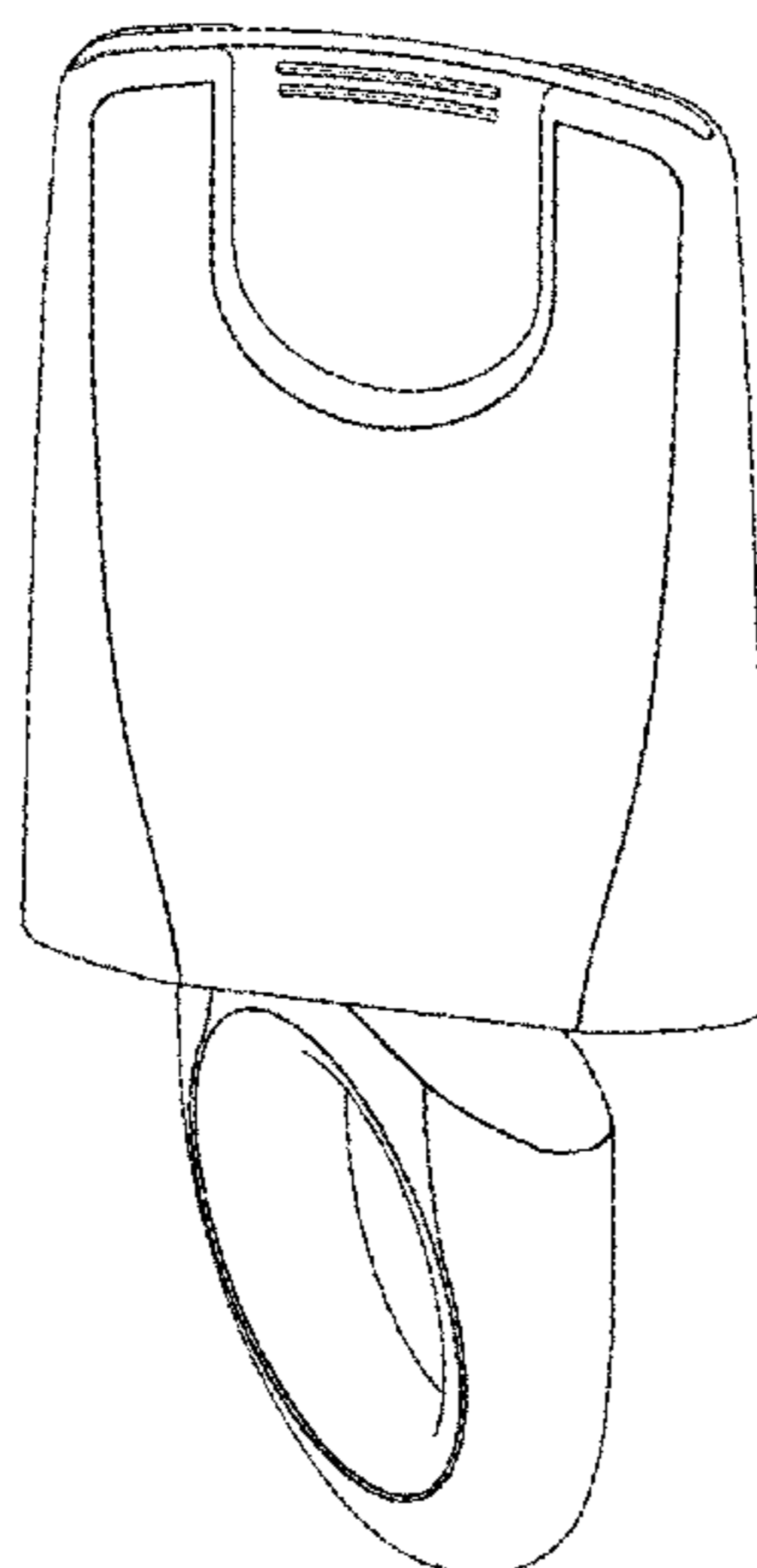
(57) **CLAIM**

The ornamental design for a radio frequency identification (RFID) reader, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a radio frequency identification (RFID) reader showing our new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof;
FIG. 8 is another perspective view thereof, showing a state in which a grip portion of the RFID reader has been rotated; and,
FIG. 9 is another perspective view thereof, showing a state in which an antenna part of the RFID reader has been protruded from a main body.

1 Claim, 8 Drawing Sheets



(58) **Field of Classification Search**

USPC 361/679; 455/575.1, 561, 571; 433/29,
433/37, 72, 114, 116; 600/178, 180, 237,
600/241
CPC .. A61B 1/24; A61B 1/00; A61B 1/002; A61B
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A61B 5/0088; H04N 5/2251; H04N
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H04N 1/00127; H04N 1/00135; H04N
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H04N 1/107; H04N 2201/0084; H04N
2101/00; H04N 7/18; A62B 1/04; A61C
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G06K 1/1684; G06K 1/1635; G06K 8/63;
G06K 17/30091; G06K 9/4401; G06K
7/10881; G06K 7/1098; G06K 7/10722;
G06K 7/1404; G06K 7/0004; G06K
7/10633; G06K 7/10851; G06K 7/1091;
G06K 7/1092; G06K 7/1093; G06K 7/10;
G06K 7/109; G06K 7/1417; G06K 9/228;
G06K 17/0022; G06K 17/00; G06K
2207/1011; G06K 2207/1013; G06K
2207/1016; G06K 2207/1018; G06K
2017/0051; G06K 2017/0067; G06K
2007/10524; G07G 1/0081; G07G 1/009;
G06Q 20/20; G06Q 20/201-20/203;
G06Q 20/30; G06Q 20/32; G06Q 20/322;
G06Q 20/4014; G06Q 10/087; H04M
1/0249; H04M 1/0262; H04M 1/0266;
H04M 1/18; H04M 1/23; H04M 1/236;
H04B 1/3827; H04B 1/3833; H04B
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H04B 2001/3894; H01M 2/1066

See application file for complete search history.

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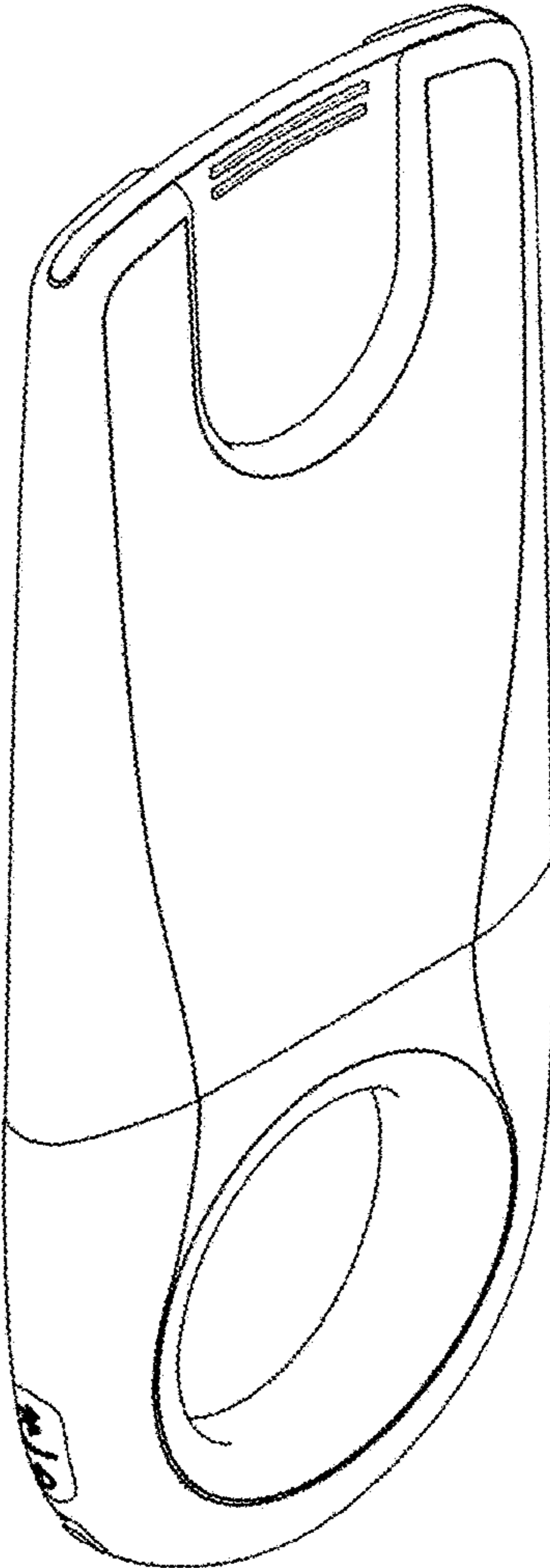


FIG. 1

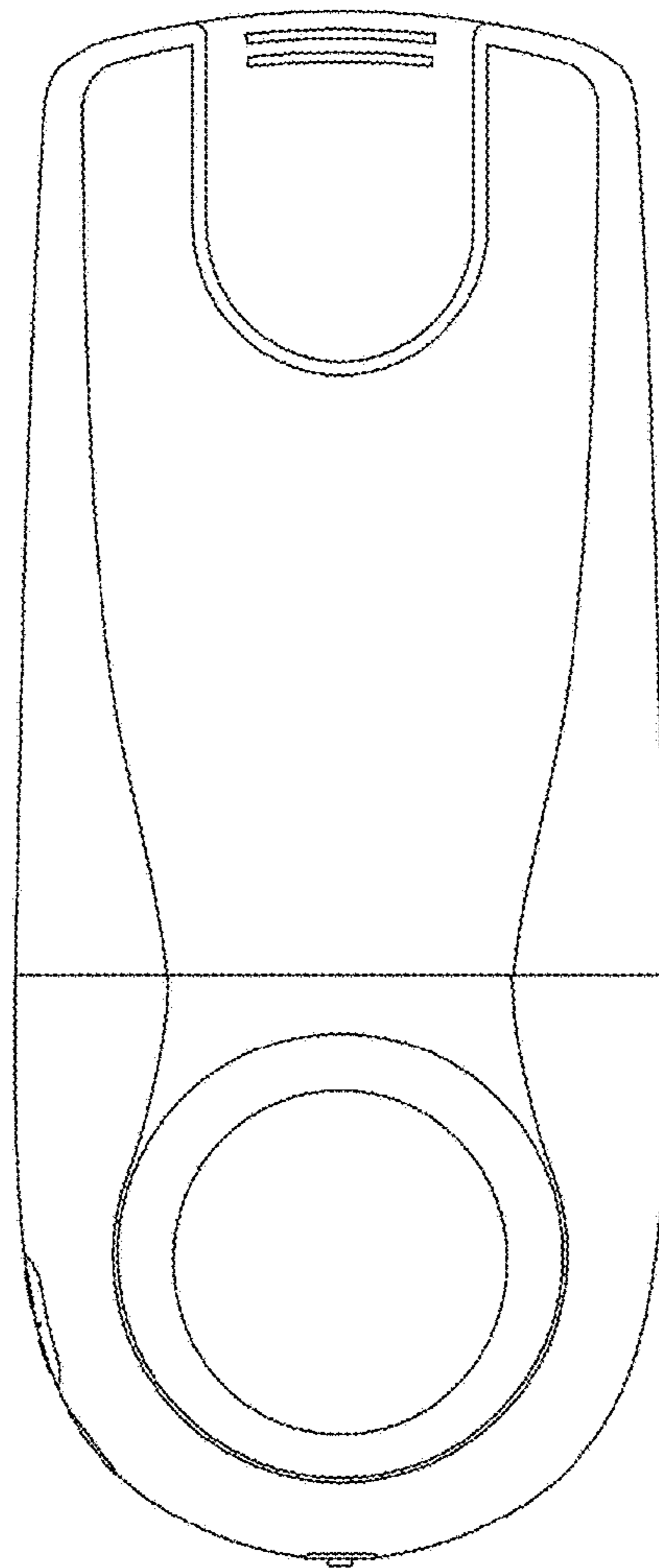


FIG. 2

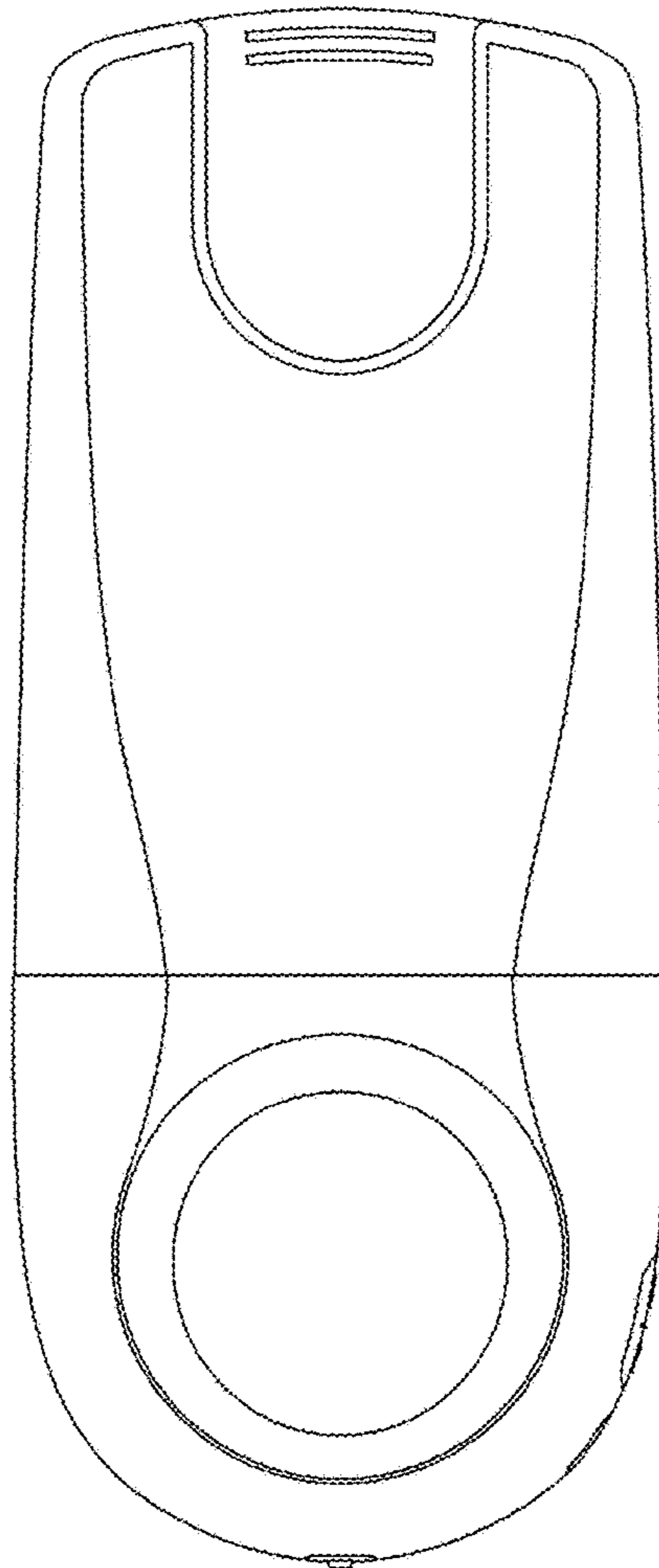


FIG. 3

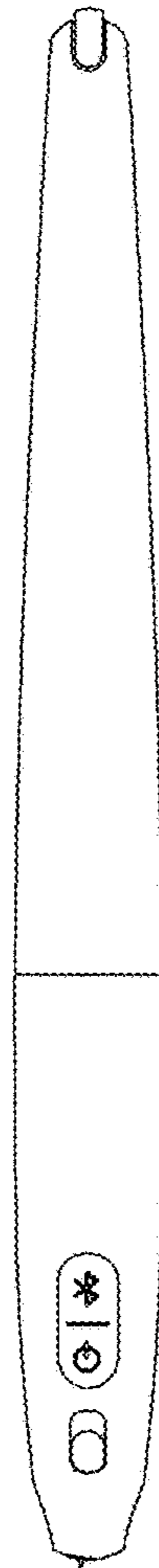


FIG. 4



FIG. 5

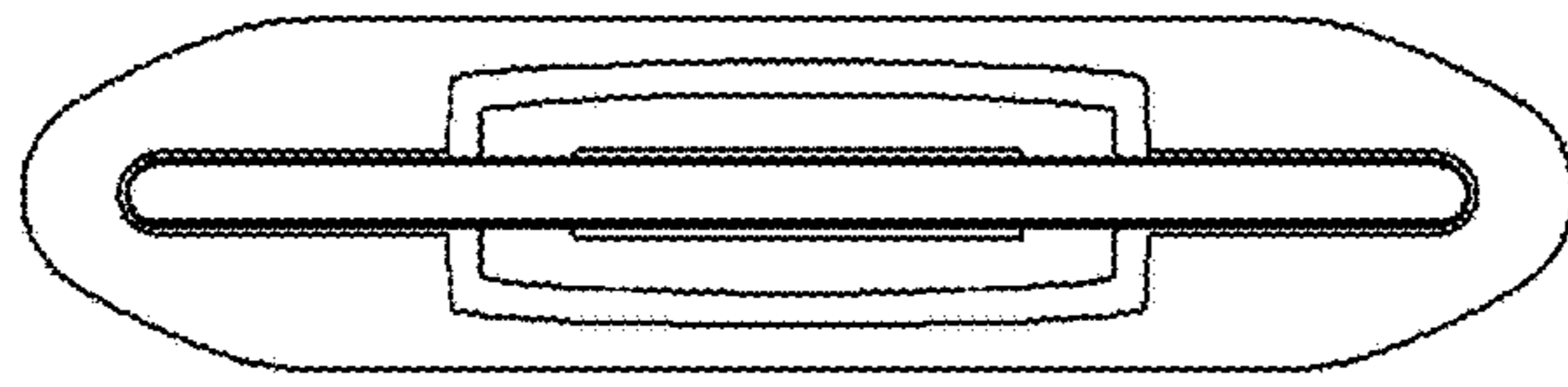


FIG. 6

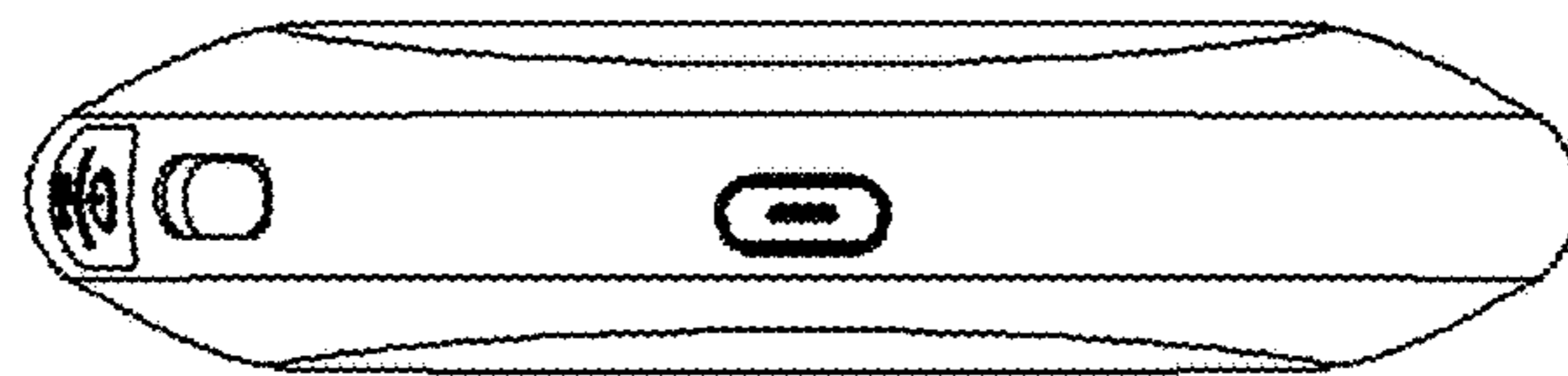


FIG. 7

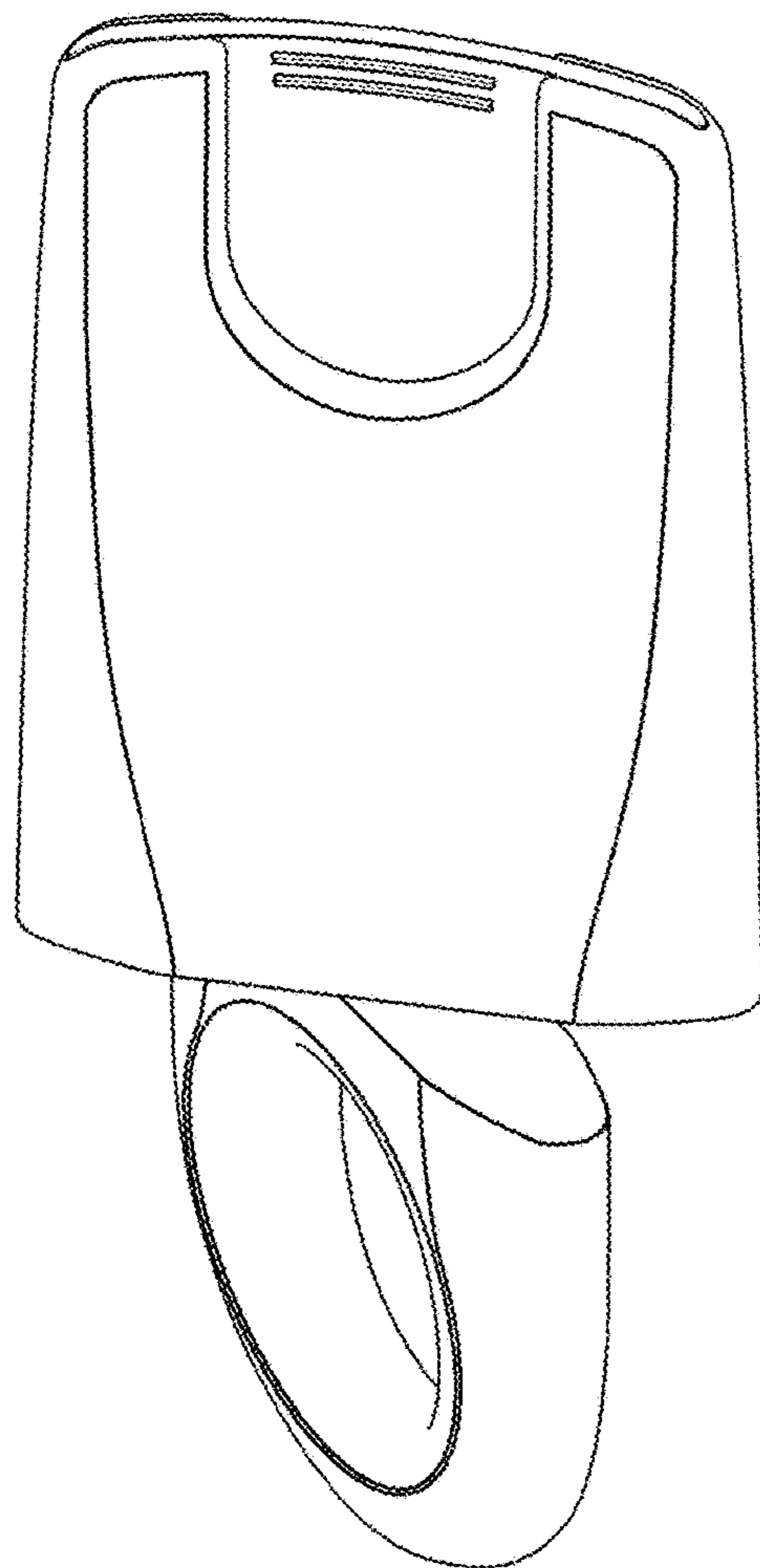


FIG. 8

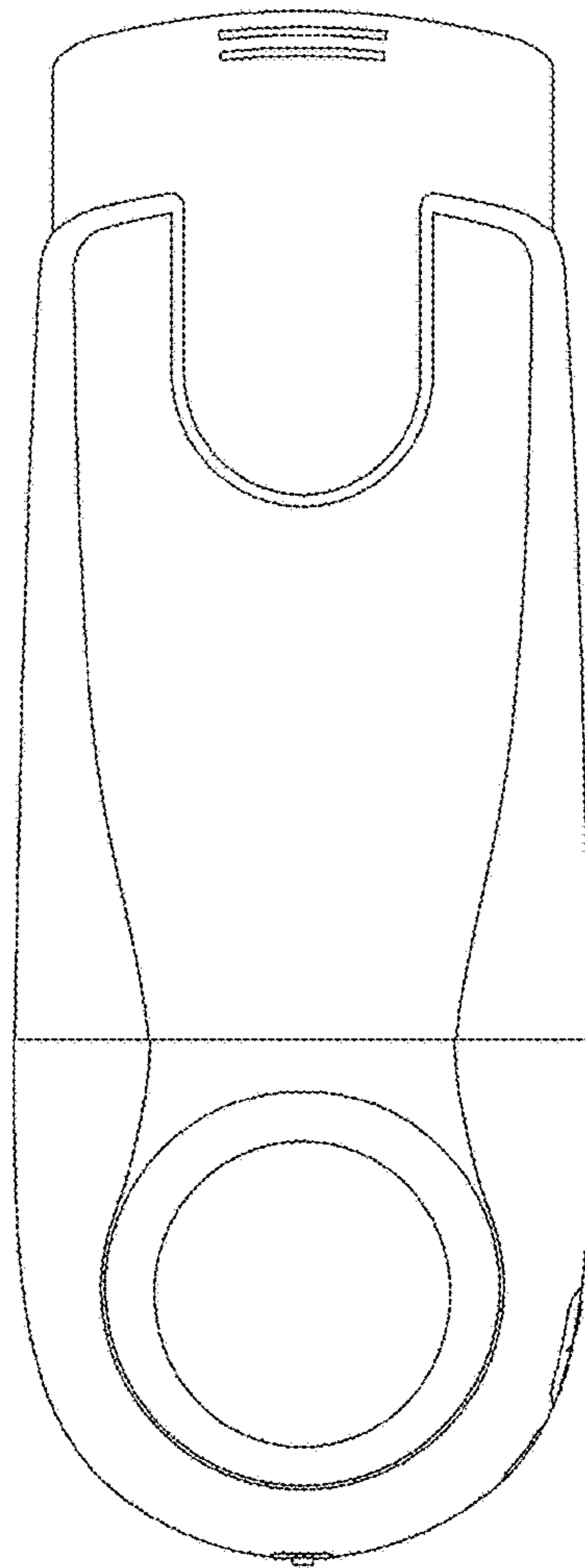


FIG. 9