



US00D860994S

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

(10) **Patent No.:** **US D860,994 S**

(45) **Date of Patent:** **\*\* Sep. 24, 2019**

- (54) **HANDHELD SCANNER**
- (71) Applicant: **Zircon Corporation**, Campbell, CA (US)
- (72) Inventor: **Barry Wingate**, San Jose, CA (US)
- (73) Assignee: **Zircon Corporation**, Campbell, CA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/632,814**
- (22) Filed: **Jan. 10, 2018**
- (51) **LOC (12) Cl.** ..... **14-02**
- (52) **U.S. Cl.**  
USPC ..... **D14/426**; D10/62; D10/78
- (58) **Field of Classification Search**  
USPC ..... D14/420, 426-430, 453, 346, 341, 347, D14/412, 138; D13/107, 184; 358/473; 235/462.43, 462.45, 462.47, 462.48, 235/462.44, 462.46, 487, 472.01, 472.02, 235/145 A, 145 R; D10/78, 57, 2, 46, 52, D10/53, 81, 70, 62, 65; 324/426, 66, 67, 324/662; D3/273; 710/73; D18/7; 361/679, 728, 679.56, 683; 382/313, 321, 382/314; 455/575.1, 561, 572, 41.2; 345/156, 168, 169, 172, 173, 87, 179, 345/183; 705/17, 18, 22-25; D16/206, D16/218, 202, 219, 208, 209; 356/328; 396/419, 423, 424; 374/130, 100, 121, 374/102, 141, 124, 170, 104, 103; 702/130, 135; 348/164, 165, 149, 333.01, 348/333.11, E5.043, E5.047, E5.09, 33, 348/82, E5.028, 347, 373, 374, 375, 66; 250/330, 351, 353, 332, 334, 358.1, 250/316.1, 338.1, 568; 600/549, 474, 600/413, 473, 200, 184, 437, 427, 439, 600/109, 178, 180, 237, 241; D24/186, D24/185, 187, 152, 158, 133, 144, 146, D24/107, 112, 206, 200, 209, 215, 167, D24/214, 210; D21/333; D28/44, 48;

D8/99, 62; 359/214; 16/110.1, 430, 431; 439/133, 135; 433/29, 37, 72, 114, 116; 709/219, 201; 320/114, 115, 123; D32/33  
 CPC ..... G06F 1/626; G06F 1/1626; G06F 1/1656; G06F 1/1632; G06F 1/1684; G06F 1/1635; G06F 8/63; G06F 17/30091; G06F 9/4401; G06F 3/03545; G06K 7/10081; G06K 7/1098; G06K 7/10722; G06K 7/1404; G06K 7/0004; G06K 7/10633; G06K

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,748,472 A \* 6/1956 Sheley ..... B26B 19/44 30/133
- D342,489 S \* 12/1993 Tzu-Chin ..... D14/426

(Continued)

*Primary Examiner* — Susan Moon Lee

(74) *Attorney, Agent, or Firm* — Silicon Valley Patent Group LLP; Thomas C. Chan

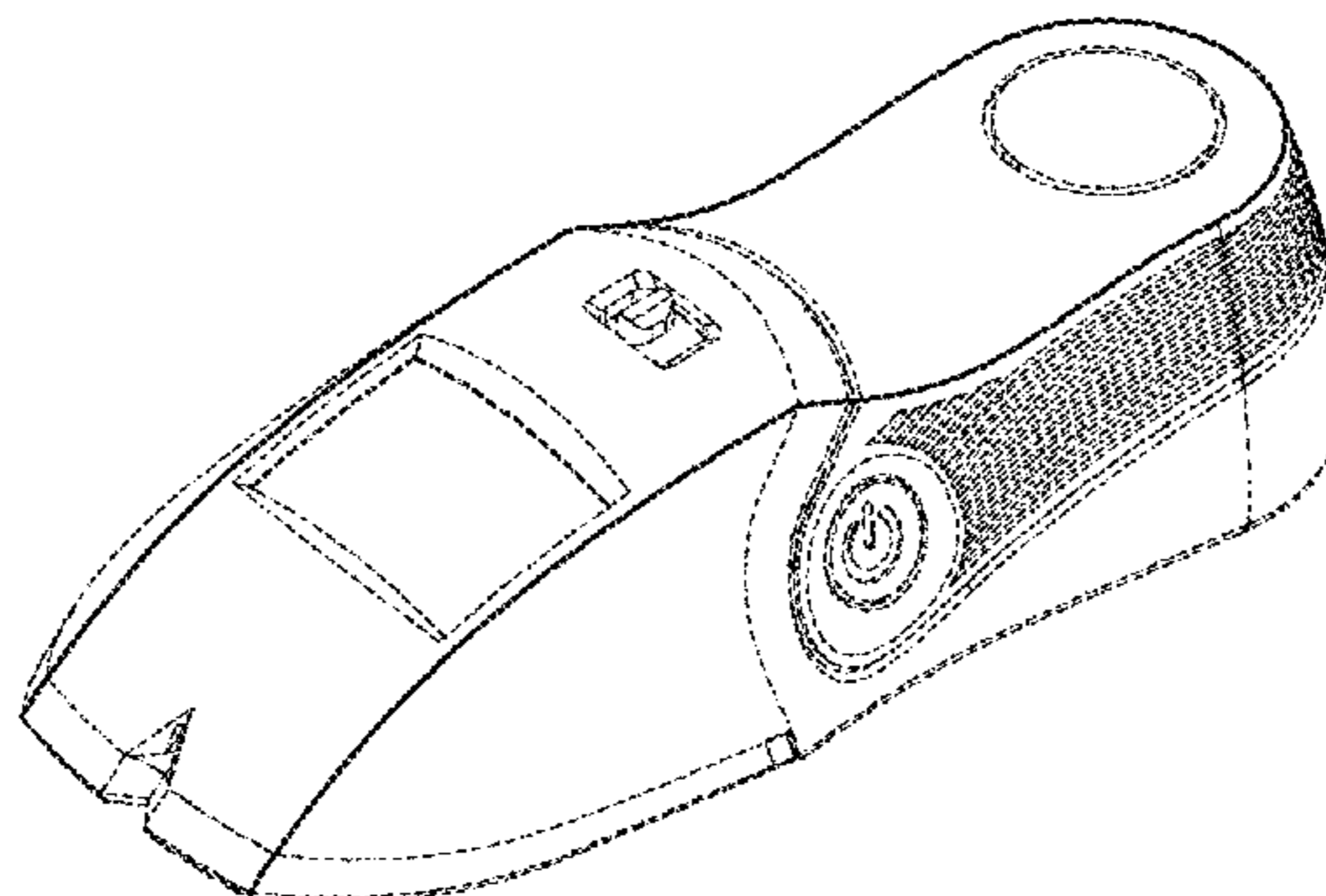
(57) **CLAIM**

I claim the ornamental design for a handheld scanner, as shown and described.

**DESCRIPTION**

FIG. 1 is a left side elevation view of a handheld scanner showing my new design;  
 FIG. 2 is a right side elevation view thereof;  
 FIG. 3 is a top plan view thereof;  
 FIG. 4 is a bottom plan view thereof;  
 FIG. 5 is a front elevation view thereof;  
 FIG. 6 is a back elevation view thereof; and,  
 FIG. 7 is a top right perspective view thereof.  
 The broken lines depict unclaimed features of the handheld scanner that form no part of the design claim but are shown for illustrative purposes.

**1 Claim, 6 Drawing Sheets**



# US D860,994 S

**(58) Field of Classification Search**

CPC ..... 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; G06Q 20/202; G06Q  
 20/203; G06Q 20/30; G06Q 20/32; G06Q  
 20/322; G06Q 20/4014; G06Q 10/087;  
 H04N 1/00127; H04N 1/00135; H04N  
 1/00326; H04N 1/00334; H04N 1/00307;  
 H04N 1/107; H04N 2201/0084; H04N  
 2101/00; H04N 5/332; H04N 5/33; H04N  
 5/2251; H04N 5/2258; H04N 5/2256;  
 H04N 5/23293; H04N 5/23203; H04N  
 5/2254; H04N 5/2252; H04N 5/2253;  
 H04N 5/23229; H04N 5/3651; 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  
 1/3877; H04B 1/3883; H04B 1/3888;  
 H04B 2001/3894; H01M 2/1066; G01J  
 5/025; G01J 5/0265; G01J 5/026; G01J  
 5/027; G01J 5/02; G01J 5/06; G01J 5/08;  
 G01J 5/04; G01J 5/12; G01J 5/00; G01J  
 5/18; G01J 5/0834; G01J 5/522; G01J  
 5/0806; G01J 5/028; G01J 2005/0077;  
 G01J 2005/0081; G02B 7/08; G02B 7/04;  
 G01K 1/02; G01K 3/04; G03B 17/18;  
 G03B 3/02; G03B 3/04; G03B 3/10;  
 H02J 7/0044; A61B 8/44; A61B 8/46;  
 A61B 8/4427; A61B 8/4433; A61B  
 8/4438; A61B 8/4444; A61B 8/56; A61B  
 8/4461; A61B 8/4455; A61B 8/4472;  
 A61B 5/00; A61B 5/0013; A61B 5/0017;  
 A61B 5/0033; A61B 5/004; A61B  
 5/0062; A61B 5/0064; A61B 5/0068;  
 A61B 5/0066; A61B 5/0086; A43D  
 3/1433; A43D 3/1441; G08B 5/36; G01V  
 3/15

See application file for complete search history.

**(56) References Cited**

**U.S. PATENT DOCUMENTS**

5,296,807 A \* 3/1994 Kousek ..... G01V 3/15  
 324/235  
 D375,729 S \* 11/1996 Aeschbacher ..... D14/407  
 D412,674 S \* 8/1999 Kaiser ..... D10/65  
 D416,883 S \* 11/1999 Wagner ..... D14/426  
 D419,545 S \* 1/2000 Krantz ..... D14/426  
 D419,546 S \* 1/2000 Krantz ..... D14/426  
 D425,997 S \* 5/2000 Jakubow ..... D24/215  
 D427,166 S \* 6/2000 Krantz ..... D14/453  
 6,070,292 A \* 6/2000 Langelaan ..... A47L 9/02  
 15/401  
 D432,539 S \* 10/2000 Philyaw ..... D14/420  
 6,215,293 B1 \* 4/2001 Yim ..... G01V 3/15  
 324/326  
 6,249,113 B1 \* 6/2001 Krantz ..... G01V 3/15  
 324/67

6,259,241 B1 \* 7/2001 Krantz ..... G01V 3/15  
 324/156  
 D455,430 S \* 4/2002 Krantz ..... D14/426  
 D455,750 S \* 4/2002 Krantz ..... D14/426  
 6,456,053 B1 \* 9/2002 Rowley ..... G01V 3/15  
 324/67  
 D476,160 S \* 6/2003 Choi ..... D4/121  
 6,894,508 B2 \* 5/2005 Sanoner ..... G01V 3/088  
 324/326  
 D518,482 S \* 4/2006 Hodges ..... D14/426  
 D529,403 S \* 10/2006 Liu ..... D10/65  
 D530,232 S \* 10/2006 Gist ..... D10/65  
 D540,994 S \* 4/2007 Borges ..... D32/33  
 D553,248 S \* 10/2007 Nguyen ..... D24/186  
 7,316,073 B2 \* 1/2008 Murray ..... G01C 9/06  
 33/286  
 D590,111 S \* 4/2009 Wiljanen ..... D32/32  
 D590,157 S \* 4/2009 Martin ..... D4/136  
 D590,553 S \* 4/2009 Crevling, Jr. .... D32/32  
 7,516,565 B1 \* 4/2009 Tsen ..... A47L 13/22  
 15/321  
 D609,590 S \* 2/2010 Wingate ..... D10/62  
 D621,112 S \* 8/2010 Benacquisto ..... D32/33  
 D646,445 S \* 10/2011 Choi ..... D32/17  
 D671,121 S \* 11/2012 Schickling ..... D14/426  
 D671,226 S \* 11/2012 Aulwes ..... D24/215  
 D674,978 S \* 1/2013 Hill ..... D32/32  
 D692,570 S \* 10/2013 Luzon ..... D24/215  
 D706,147 S \* 6/2014 Wingate ..... D10/62  
 D706,148 S \* 6/2014 Wingate ..... D10/62  
 D707,143 S \* 6/2014 Wingate ..... D10/62  
 D707,575 S \* 6/2014 Wingate ..... D10/62  
 D708,923 S \* 7/2014 Wingate ..... D8/107  
 D710,362 S \* 8/2014 Kaminsky ..... D14/420  
 D721,289 S \* 1/2015 Wingate ..... D10/62  
 D724,968 S \* 3/2015 Wingate ..... D10/62  
 D726,042 S \* 4/2015 Wingate ..... D10/62  
 9,664,808 B2 \* 5/2017 Nguyen ..... G01V 3/10  
 D789,634 S \* 6/2017 Witter ..... D32/32  
 D793,638 S \* 8/2017 LaBarbera ..... D32/32  
 9,782,048 B2 \* 10/2017 Witter ..... A47L 9/06  
 D827,465 S \* 9/2018 Ranieri ..... G01N 27/24  
 D10/78  
 D831,905 S \* 10/2018 Benacquisto ..... D30/158  
 10,261,208 B2 \* 4/2019 Dorrough ..... G01R 27/2605  
 D848,871 S \* 5/2019 Shao ..... D10/65  
 2004/0255477 A1 \* 12/2004 Levine ..... G01C 15/004  
 33/286  
 2006/0021243 A1 \* 2/2006 Spanski ..... G01B 3/1084  
 33/760  
 2007/0107241 A1 \* 5/2007 Sergyeyenko ..... G01C 15/006  
 33/290  
 2007/0200547 A1 \* 8/2007 Chen ..... G01V 3/15  
 324/67  
 2007/0210785 A1 \* 9/2007 Sanoner ..... G01R 29/085  
 324/67  
 2008/0238403 A1 \* 10/2008 Sanoner ..... G01V 3/088  
 324/67  
 2009/0151523 A1 \* 6/2009 Wingate ..... B25G 1/102  
 81/489  
 2010/0097212 A1 \* 4/2010 Wingate ..... G01V 3/15  
 340/540  
 2011/0094045 A1 \* 4/2011 Kao ..... A43D 3/1433  
 12/128 B  
 2015/0254959 A1 \* 9/2015 Wingate ..... G01V 3/15  
 340/686.6  
 2015/0343629 A1 \* 12/2015 Wingate ..... B25G 3/38  
 361/679.01  
 2016/0077232 A1 \* 3/2016 Wingate ..... G01V 3/15  
 324/67

\* cited by examiner

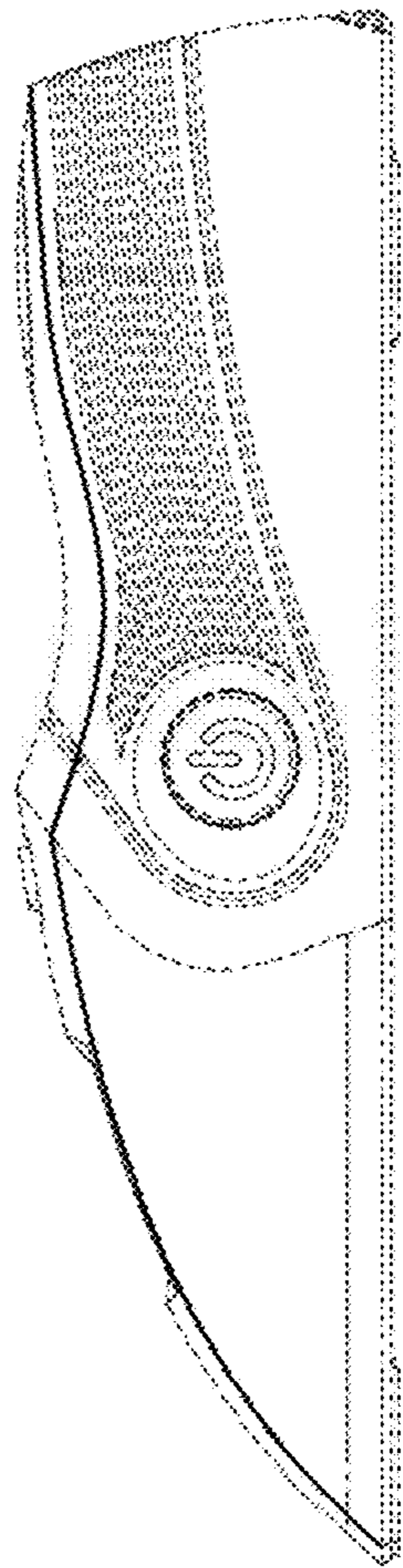


FIG. 1

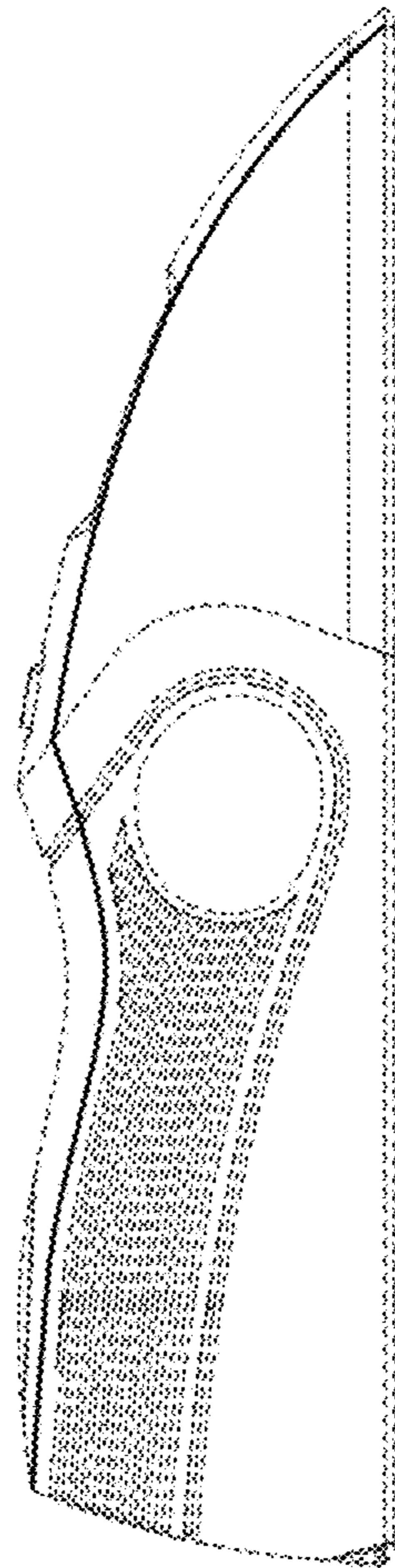


FIG. 2

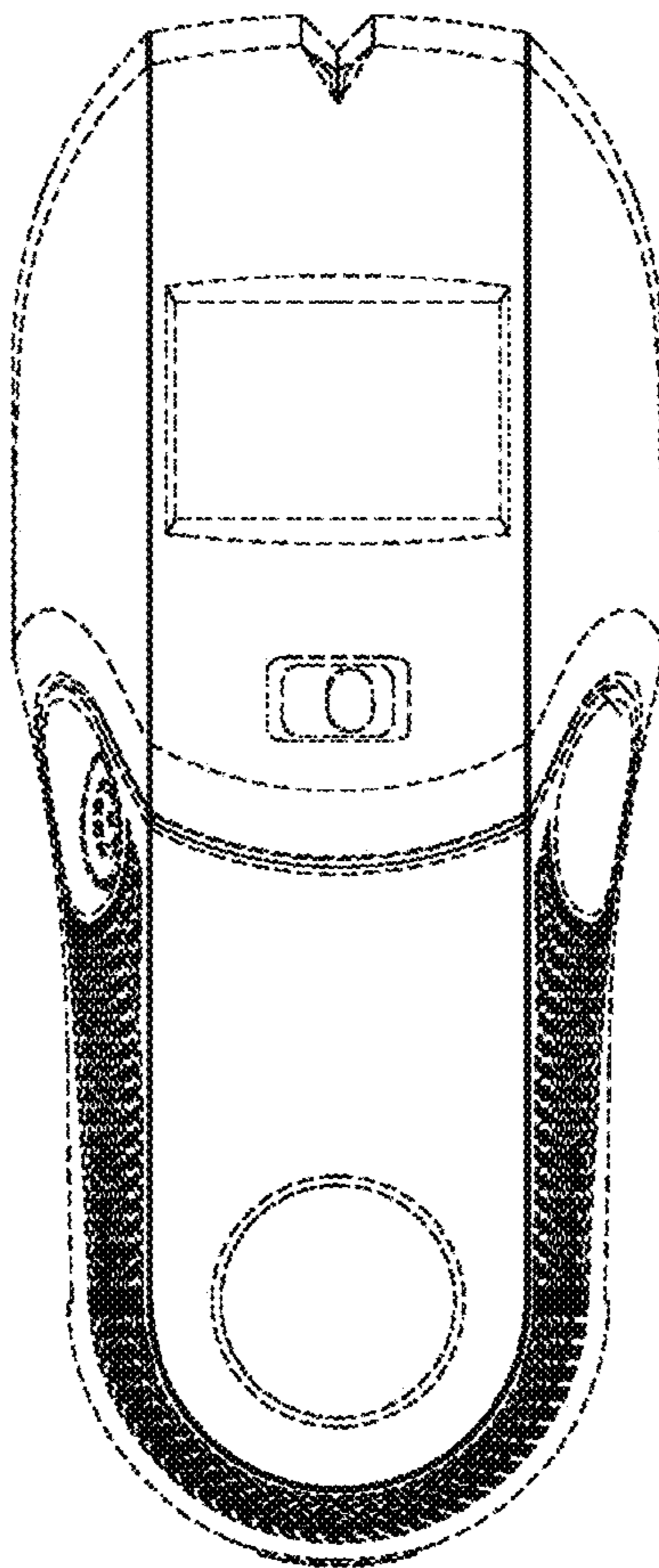


FIG. 3

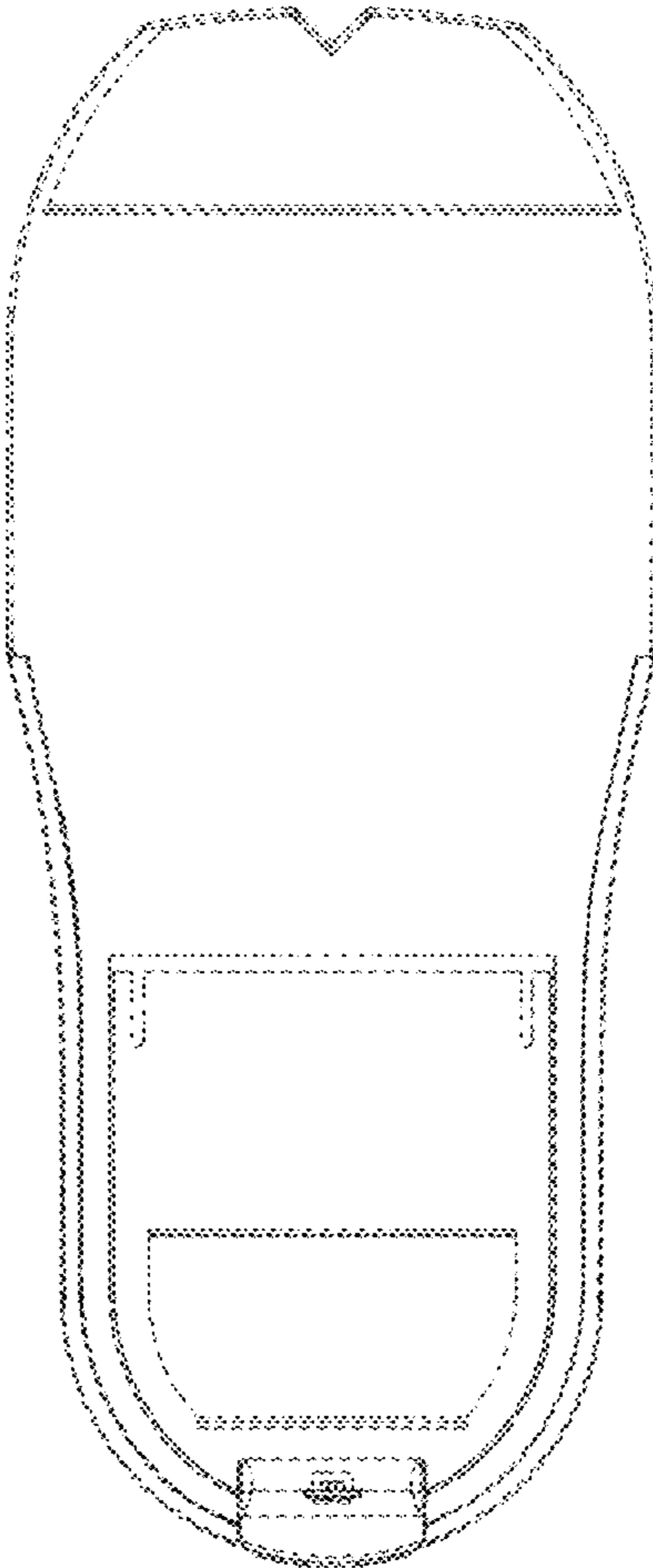


FIG. 4

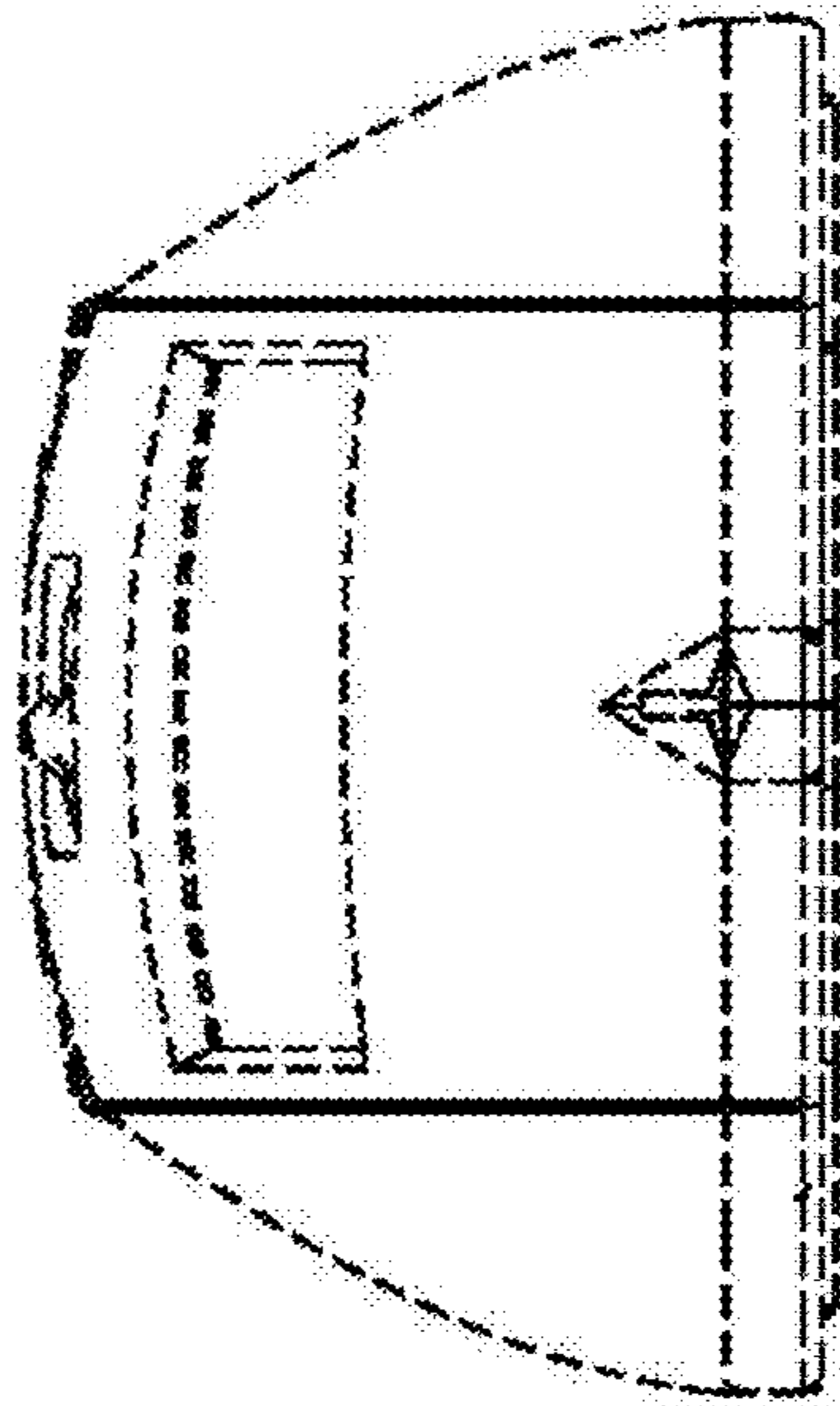


FIG. 5

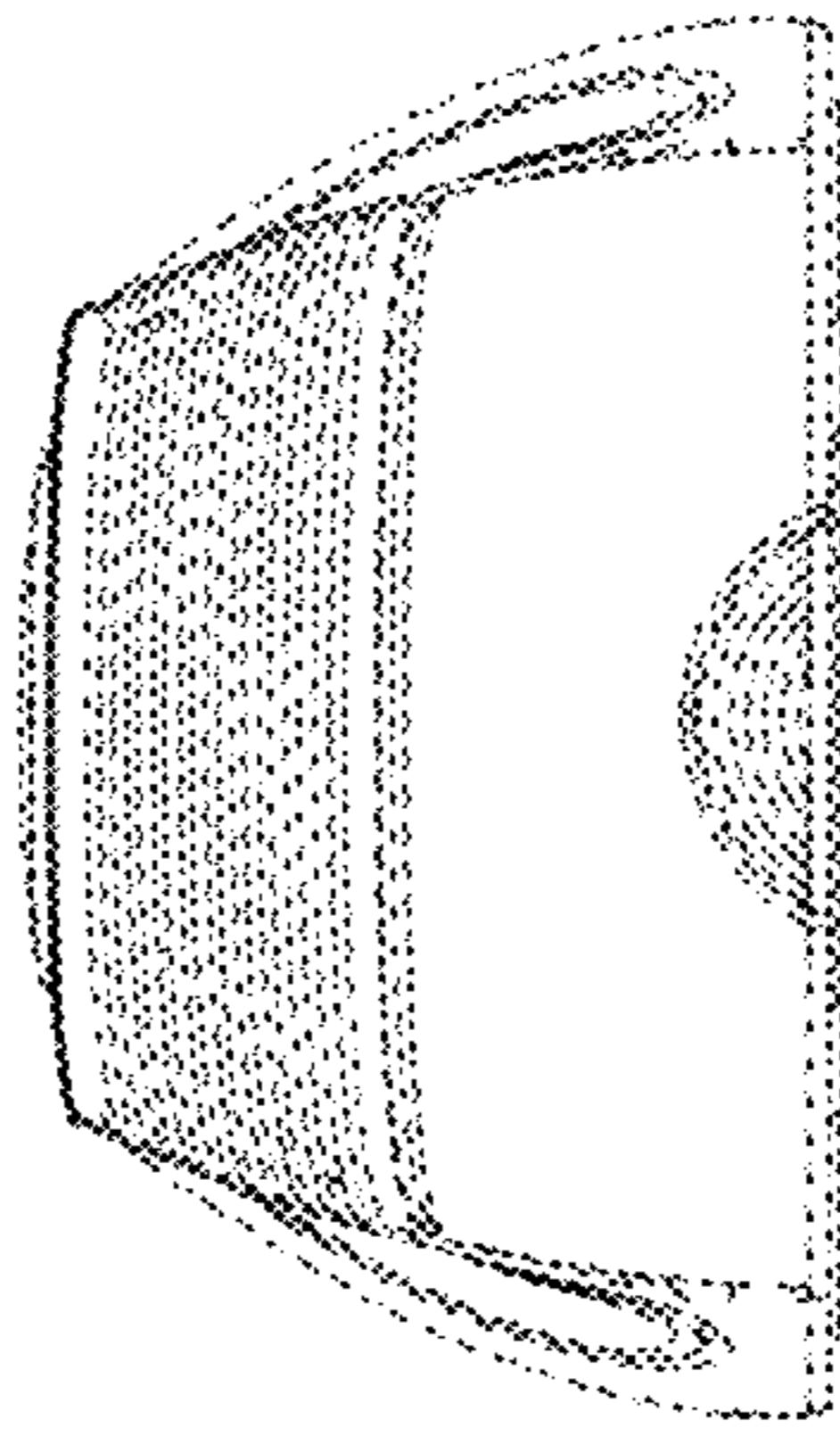


FIG. 6

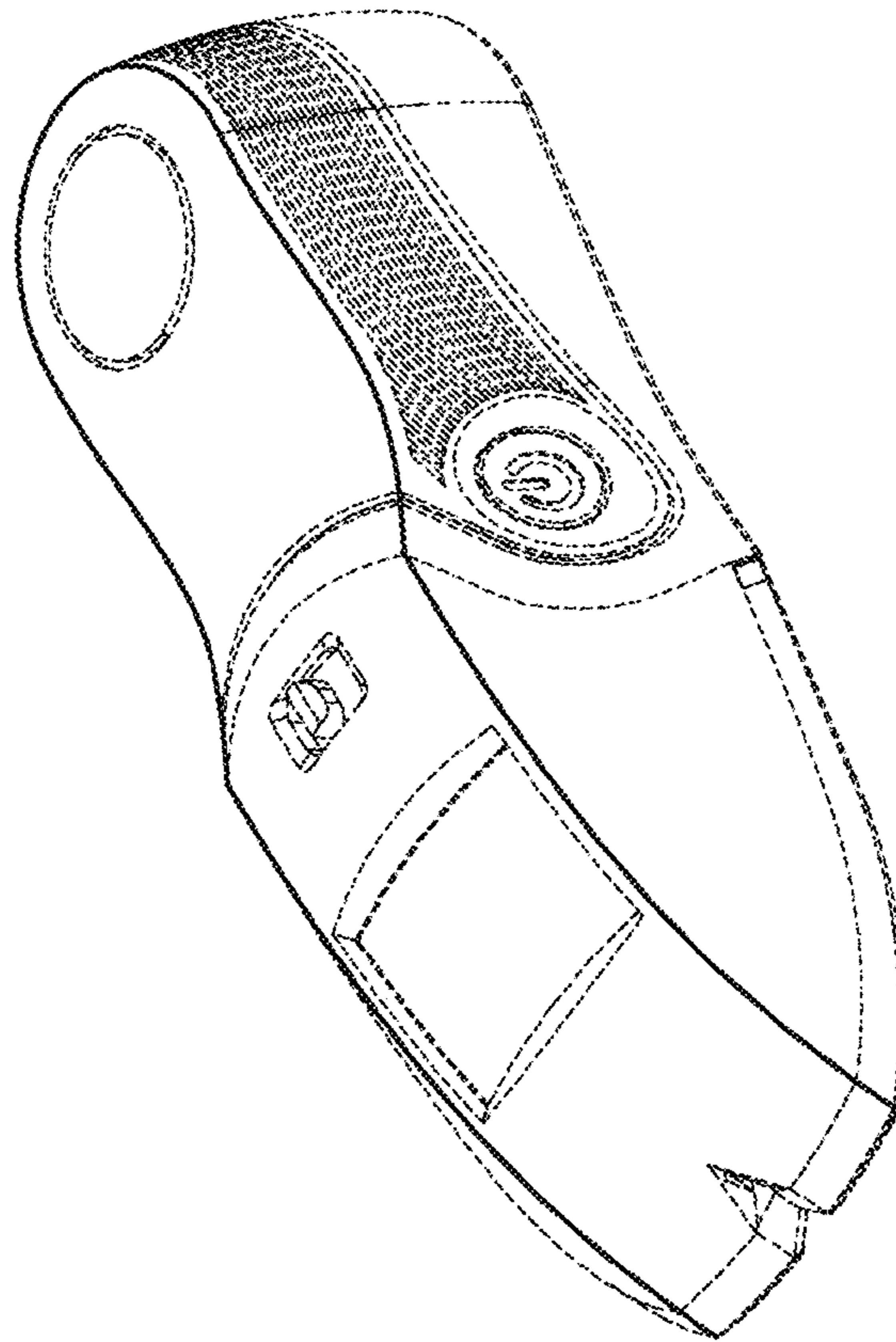


FIG. 7