



US00D957275S

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

(10) **Patent No.:** **US D957,275 S**

(45) **Date of Patent:** **** Jul. 12, 2022**

(54) **RANGEFINDER**

(71) Applicants: **SINTAI OPTICAL (SHENZHEN) CO., LTD.**, Shenzhen (CN); **ASIA OPTICAL CO., INC.**, Taichung (TW)

(72) Inventors: **Hua-Tang Liu**, Taichung (TW); **Han Lu**, Taichung (TW); **Xin-Xin Lu**, Taichung (TW)

(73) Assignees: **SINTAI OPTICAL (SHENZHEN) CO., LTD.**, Shenzhen (CN); **ASIA OPTICAL CO., INC.**, Taichung (TW)

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

(21) Appl. No.: **29/763,031**

(22) Filed: **Dec. 21, 2020**

(30) **Foreign Application Priority Data**

Jul. 1, 2020 (TW) 109303498

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/70; D16/130**

(58) **Field of Classification Search**
USPC D10/66, 70, 78; D16/130, 200
CPC B05B 12/124; B05B 12/004; B65D 83/75;
G01C 3/00; G01C 3/02; G01C 3/04;
G01C 3/06; G01C 3/08; G01C 3/085;
G01C 3/10; G01C 3/12; G01C 3/16;
G01C 3/14; G01C 3/18; G01C 3/20;
G01C 3/22; G01C 3/24; G01C 3/26;
G01C 3/28; G01C 3/30; G01C 3/32;
G01C 15/006; G01S 7/4813; G01S
7/4811; G01S 7/4814; G01S 7/4816;
G01S 7/486; G01S 7/4861; G01S 7/4863;
G02B 23/16; G02B 23/165; G02B 23/00;
G02B 23/14; F41G 1/00; F41G 1/46;
F41G 1/473; F41G 3/06; F41G 3/065

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D390,483 S *	2/1998	Zykan	D10/66
6,108,071 A *	8/2000	Landry	G01S 17/86 356/28
D448,315 S *	9/2001	Ito	D10/70
7,053,992 B2 *	5/2006	LaBelle	G01S 7/497 356/6
D525,544 S *	7/2006	Nojima	D10/70
D554,547 S *	11/2007	Lin	D10/70
D570,234 S *	6/2008	Hui	D10/70
D611,848 S *	3/2010	Liu	D10/70
D647,159 S *	10/2011	Kobayashi	D22/109
9,723,229 B2 *	8/2017	Nguyen	H04N 5/2256 D16/132

(Continued)

Primary Examiner — Antoine Duval Davis

(74) *Attorney, Agent, or Firm* — McClure, Qualey & Rodack, LLP

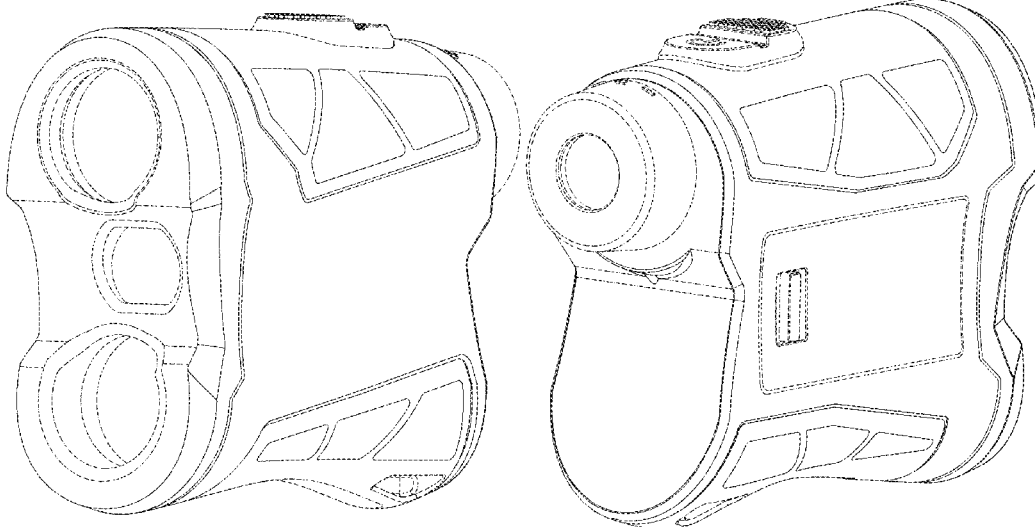
(57) **CLAIM**

The ornamental design for a rangefinder, as shown and described.

DESCRIPTION

FIG. 1 is a front, left perspective view of a rangefinder, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear 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 a rear, right perspective view thereof; and,
FIG. 9 is a front, left perspective view thereof with the shading lines, which only help to show the shape and do not depict any surface decoration.
The broken lines in the drawings depict portions of the rangefinder that form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D823,147 S * 7/2018 Bainter D10/70
 D842,723 S * 3/2019 Nyhart D22/109
 D845,795 S * 4/2019 Kim G01S 7/497
 356/6
 D850,947 S * 6/2019 Vermillion D10/70
 D863,996 S * 10/2019 Shao D10/70
 D865,544 S * 11/2019 Yu D10/70
 D865,545 S * 11/2019 Yu H04N 5/2256
 D10/70
 D870,174 S * 12/2019 Ueno G01S 17/86
 D16/132
 D895,457 S * 9/2020 Zhang F41G 3/06
 D10/70
 D895,458 S * 9/2020 Nyhart G01S 7/48
 D10/70
 D895,498 S * 9/2020 Williams G01S 7/4813
 D12/191
 D919,460 S * 5/2021 Gallery A61B 17/08
 D10/70

D926,606 S * 8/2021 Nyhart A63B 69/36
 D10/70
 D938,290 S * 12/2021 Kuwayama F41G 3/02
 D10/70
 D944,668 S * 3/2022 Li G01S 7/497
 D10/70
 2005/0110977 A1* 5/2005 LaBelle G01S 7/497
 356/6
 2007/0097351 A1* 5/2007 York F41G 3/06
 356/5.02
 2007/0197314 A1* 8/2007 York A63B 69/36
 473/407
 2010/0220309 A1* 9/2010 Zhu G01S 7/48
 356/4.01
 2012/0105283 A1* 5/2012 Nyhart G01S 7/4813
 342/357.57
 2016/0038272 A1* 2/2016 Kraemer A61B 17/08
 623/23.65
 2019/0316880 A1* 10/2019 Hamilton F41G 3/02

* cited by examiner

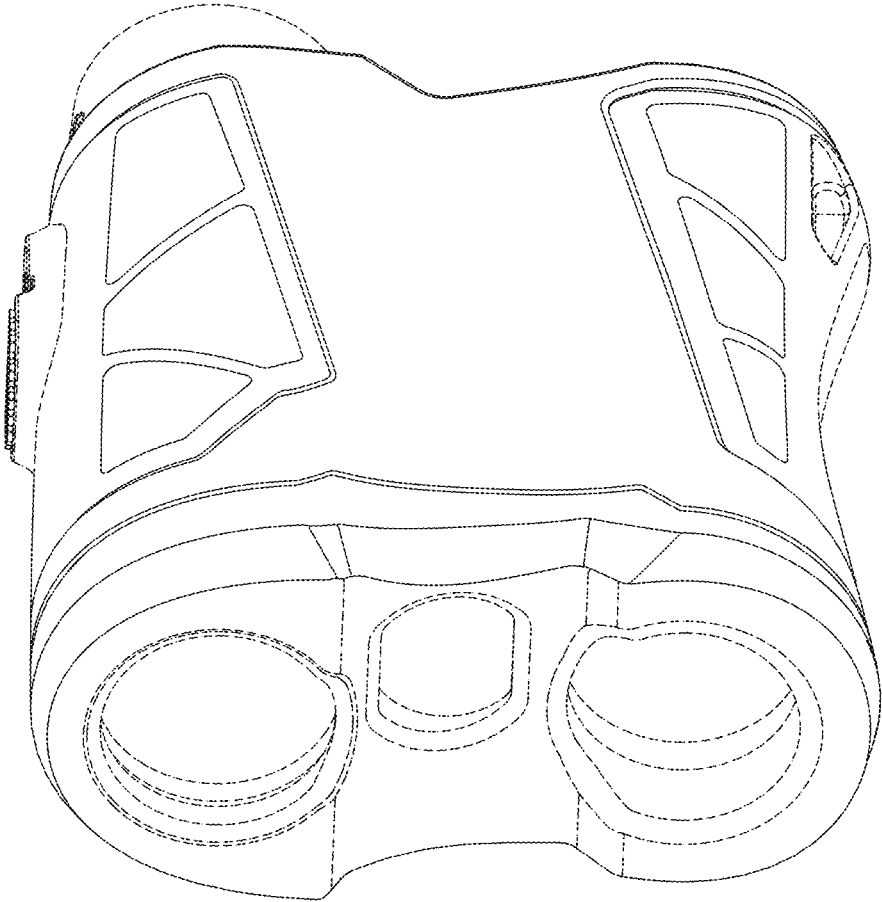


FIG. 1

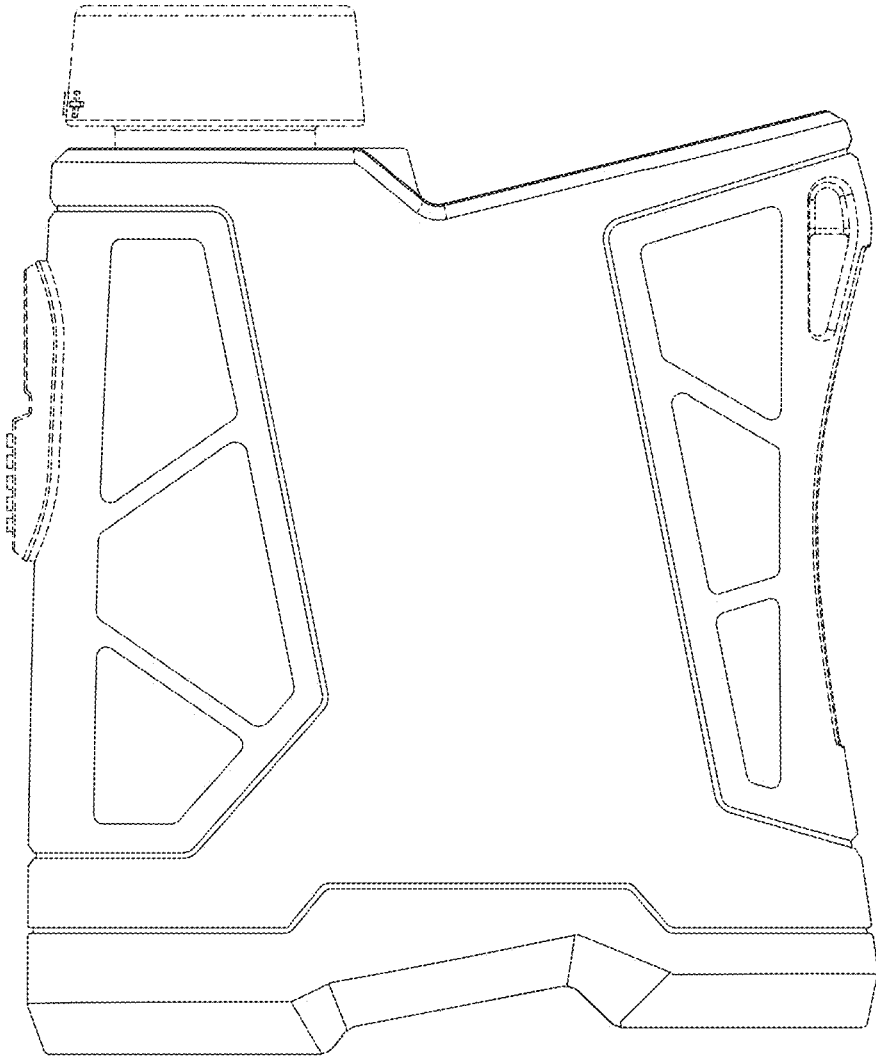


FIG. 2

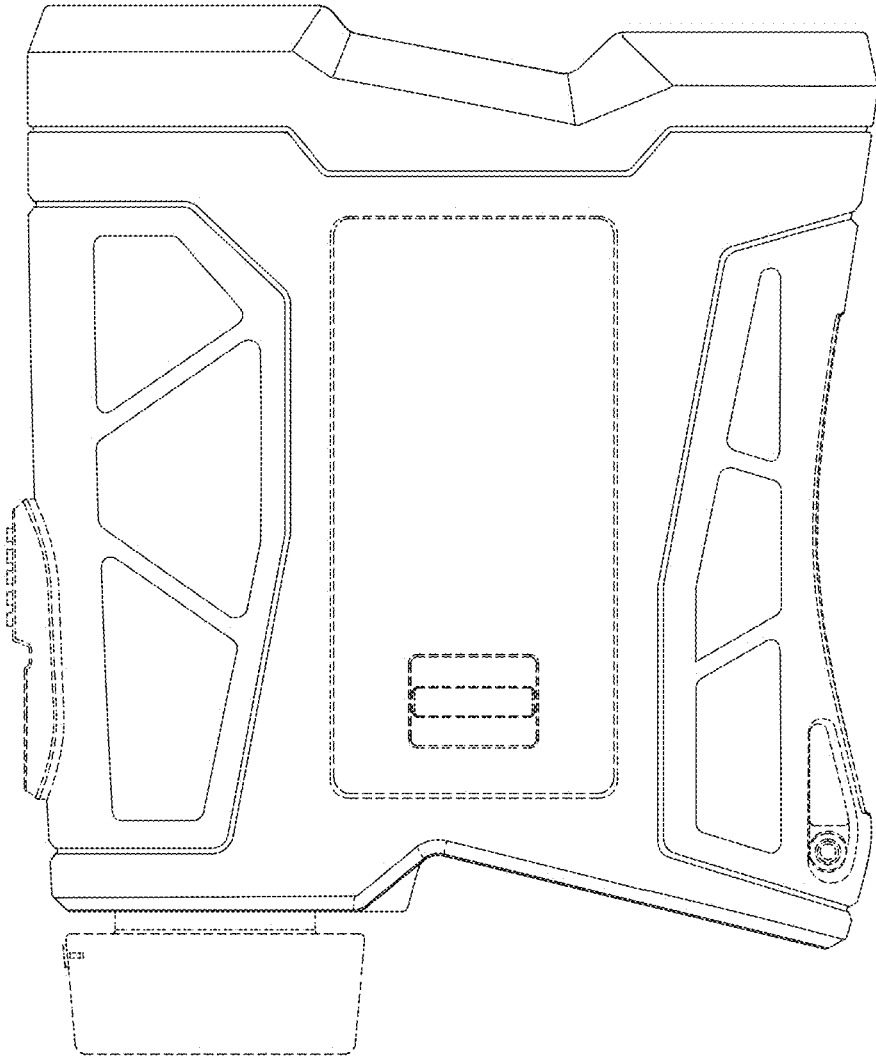


FIG. 3

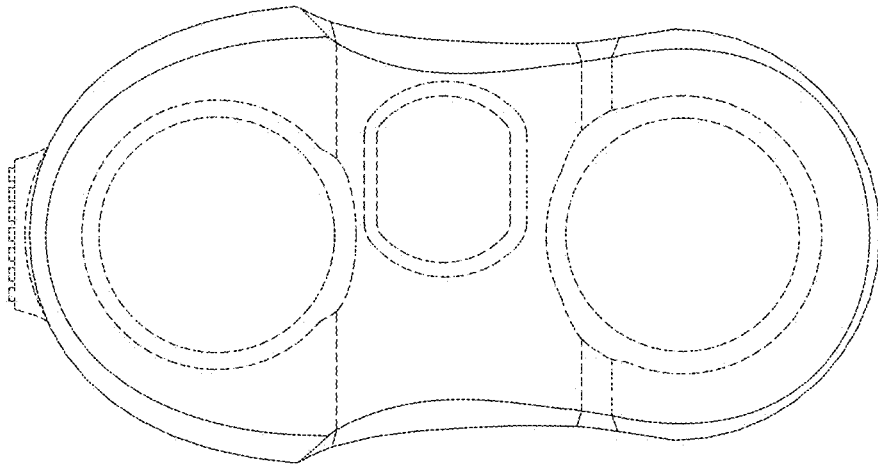


FIG. 4

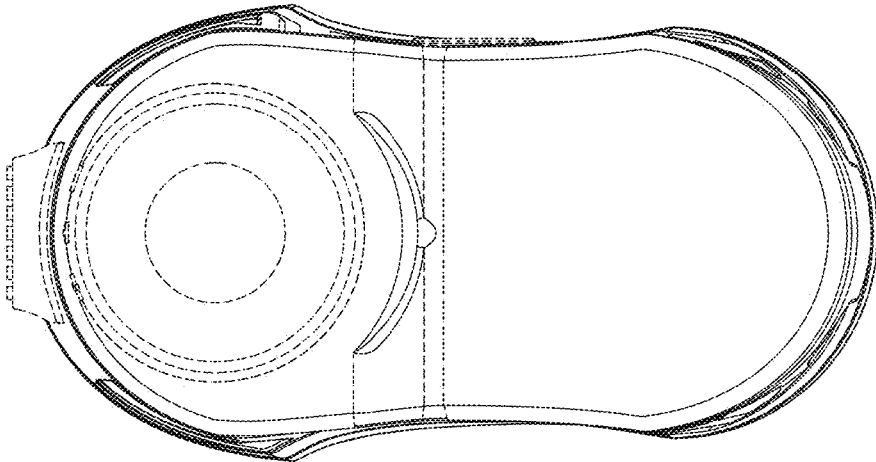


FIG. 5

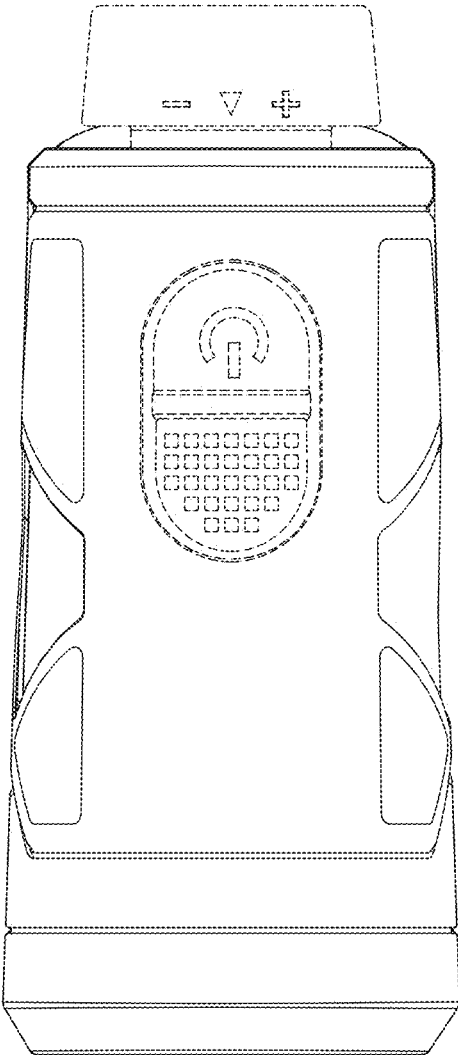


FIG. 6

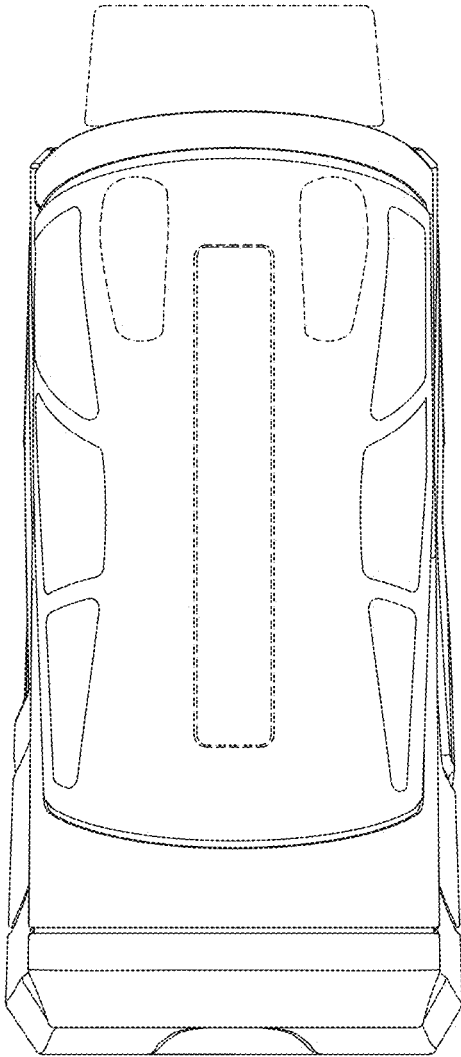


FIG. 7

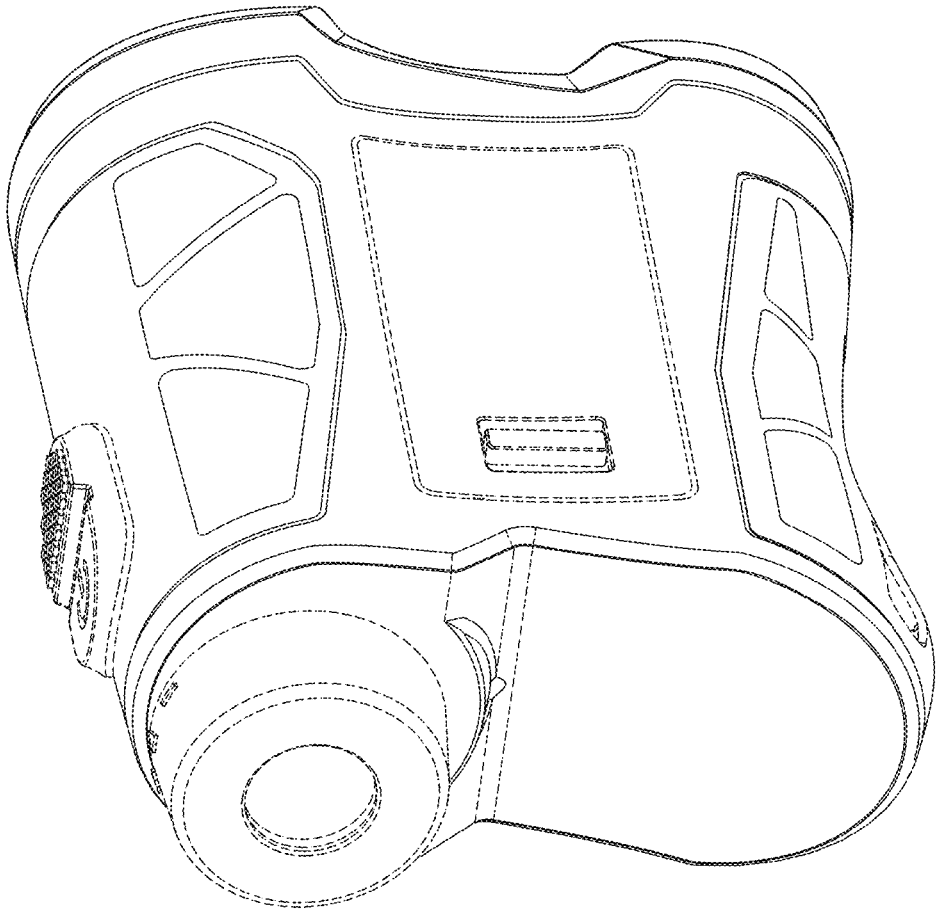


FIG. 8

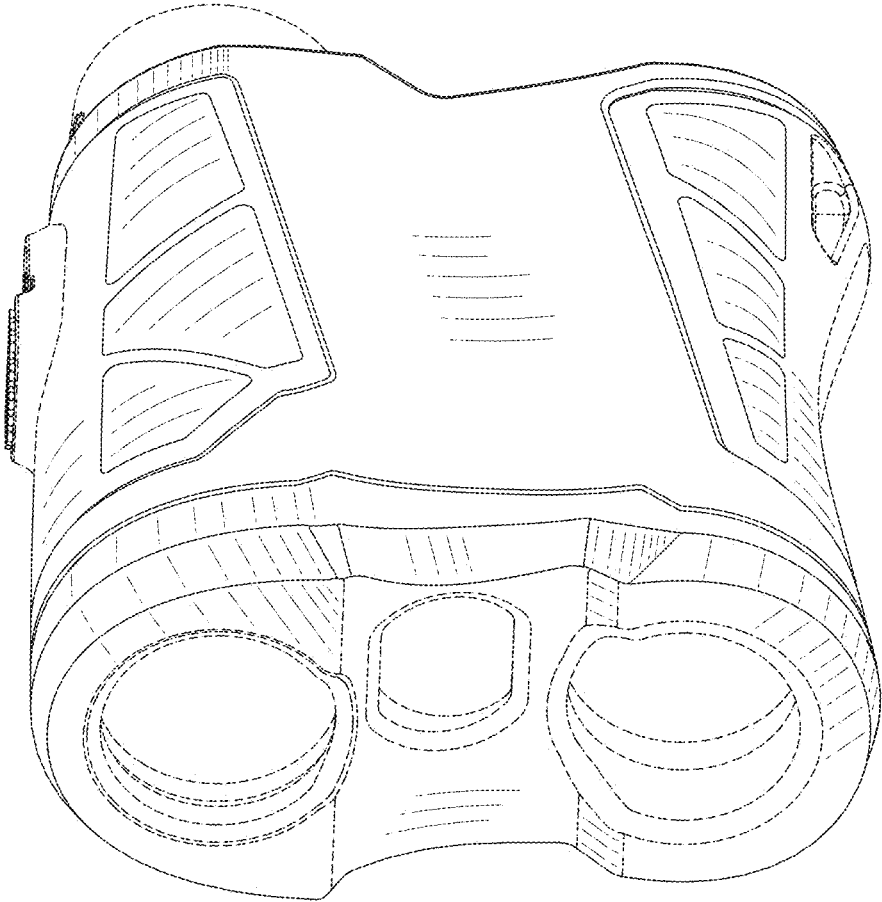


FIG. 9