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(12) **United States Design Patent** (10) **Patent No.:** **US D964,870 S**
Xie (45) **Date of Patent:** **** Sep. 27, 2022**

(54) **FAULT DETECTION APPARATUS FOR VEHICLE (KW681)**

31/31907; G01R 31/319; G01R 31/28;
F17D 1/08; F02P 17/08

See application file for complete search history.

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U.S. PATENT DOCUMENTS

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

(21) Appl. No.: **29/689,008**

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

(52) **U.S. Cl.**
USPC **D10/78**

(58) **Field of Classification Search**

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G07C 5/00; G07C 5/002; G07C 5/004;
G07C 5/006; G07C 5/008; G07C 5/02;
G07C 5/04; G07C 5/06; G07C 5/08;
G07C 5/0816; G07C 5/0825; G07C
5/0833; G07C 5/0841; G07C 5/0858;
G07C 5/0866; G07C 5/0875; G07C
5/0883; G07C 5/0891; G07C 5/10; G07C
2205/02; F16M 13/02; F16B 1/00; F16B
2001/0035; G01L 19/08; G01L 19/083;
G01L 19/086; G01L 19/10; G01L 19/12;
G01L 19/14; G01L 19/141; G01L 19/142;
G01L 19/143; G01L 19/144; G01L 19/45;
G01L 19/146; G01L 19/147; G01L
19/148; G01L 19/149; G01L 19/16;
G01D 5/00; G06F 1/166; G06F 1/1656;
G06F 1/1626; G06F 1/1609; G06F 1/637;
G06F 3/03547; G06F 3/04842; G06F
3/04817; G06F 21/00; G06F 17/00;
G01M 17/00; G01M 17/007; G01M
15/05; G01R 31/007; G01R 31/3648;
G01R 31/3693; G01R 31/3627; G01R

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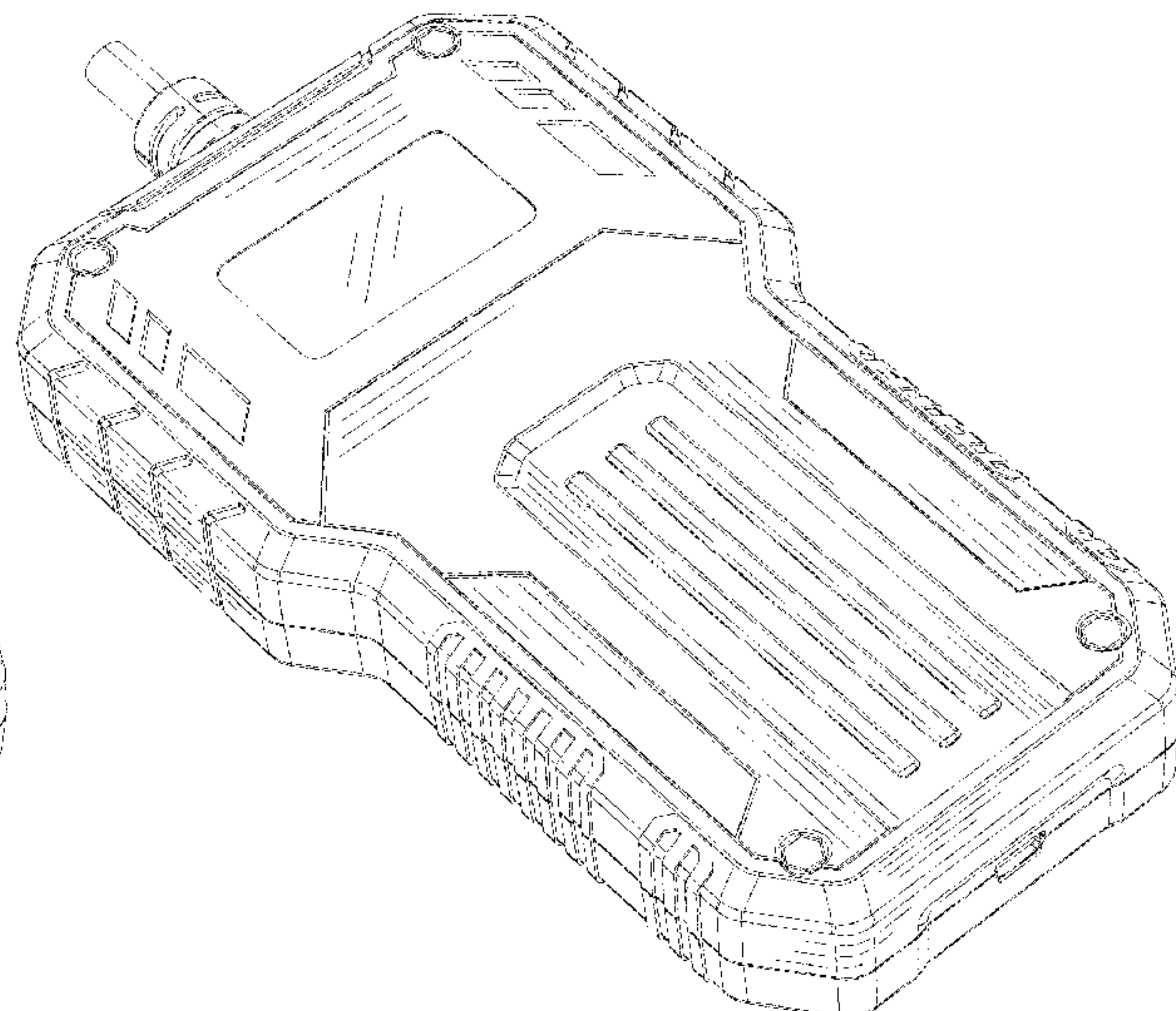
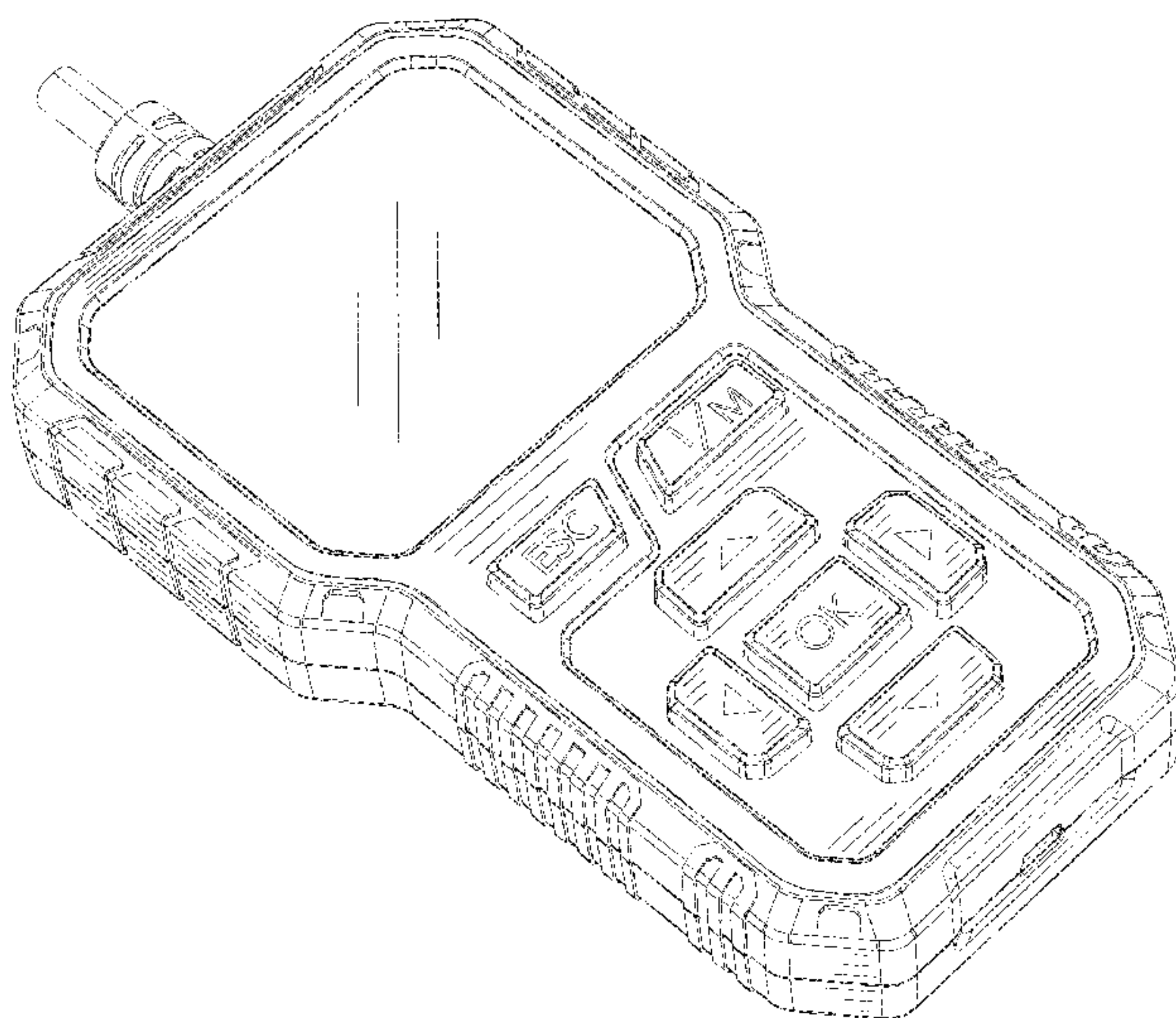
(57) **CLAIM**

The ornamental design for a fault detection apparatus for vehicle (kw681), as shown.

DESCRIPTION

FIG. 1 is a front elevational view of a fault detection apparatus for vehicle (kw681) showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a perspective view thereof; and,
FIG. 8 is another perspective view thereof.

1 Claim, 8 Drawing Sheets



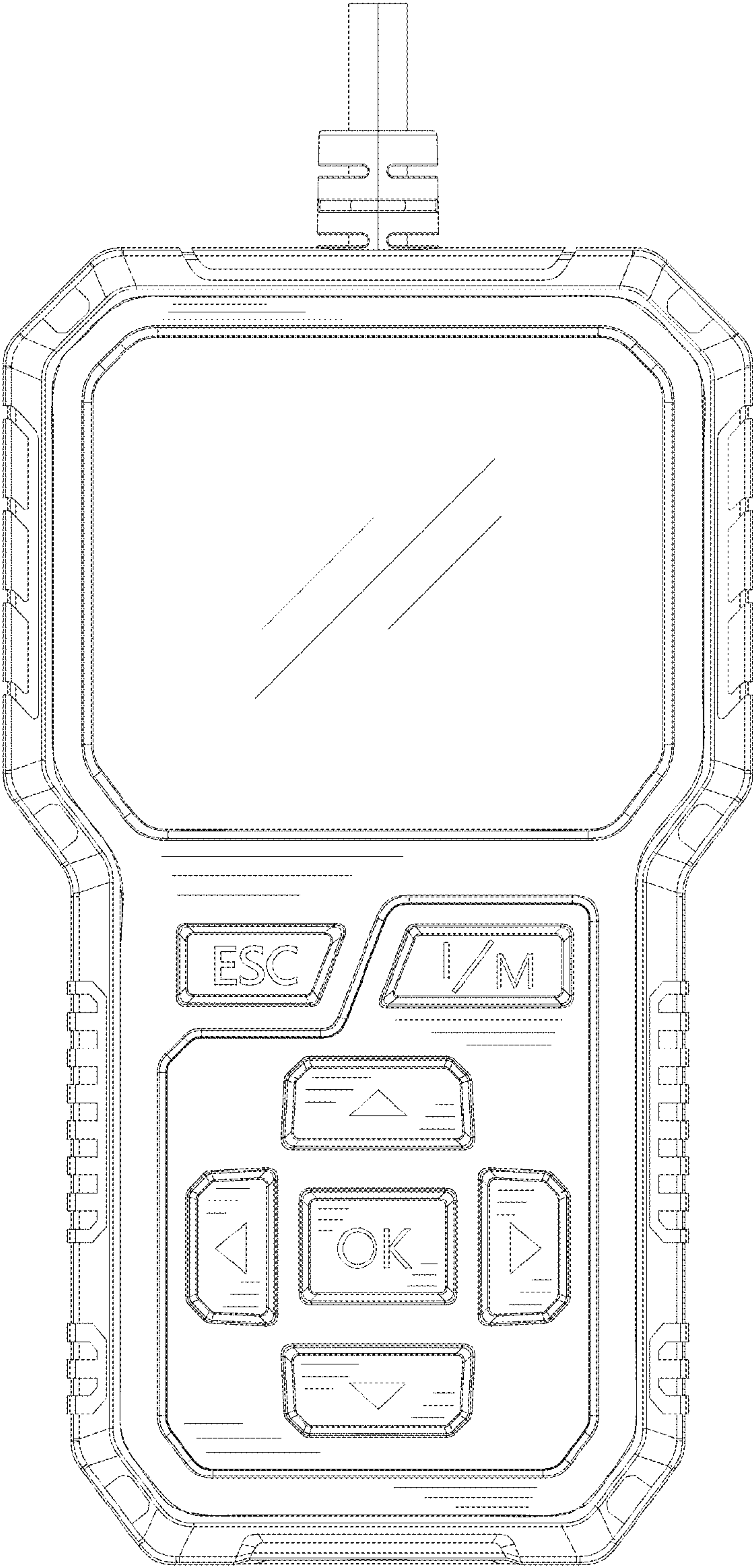


Fig. 1

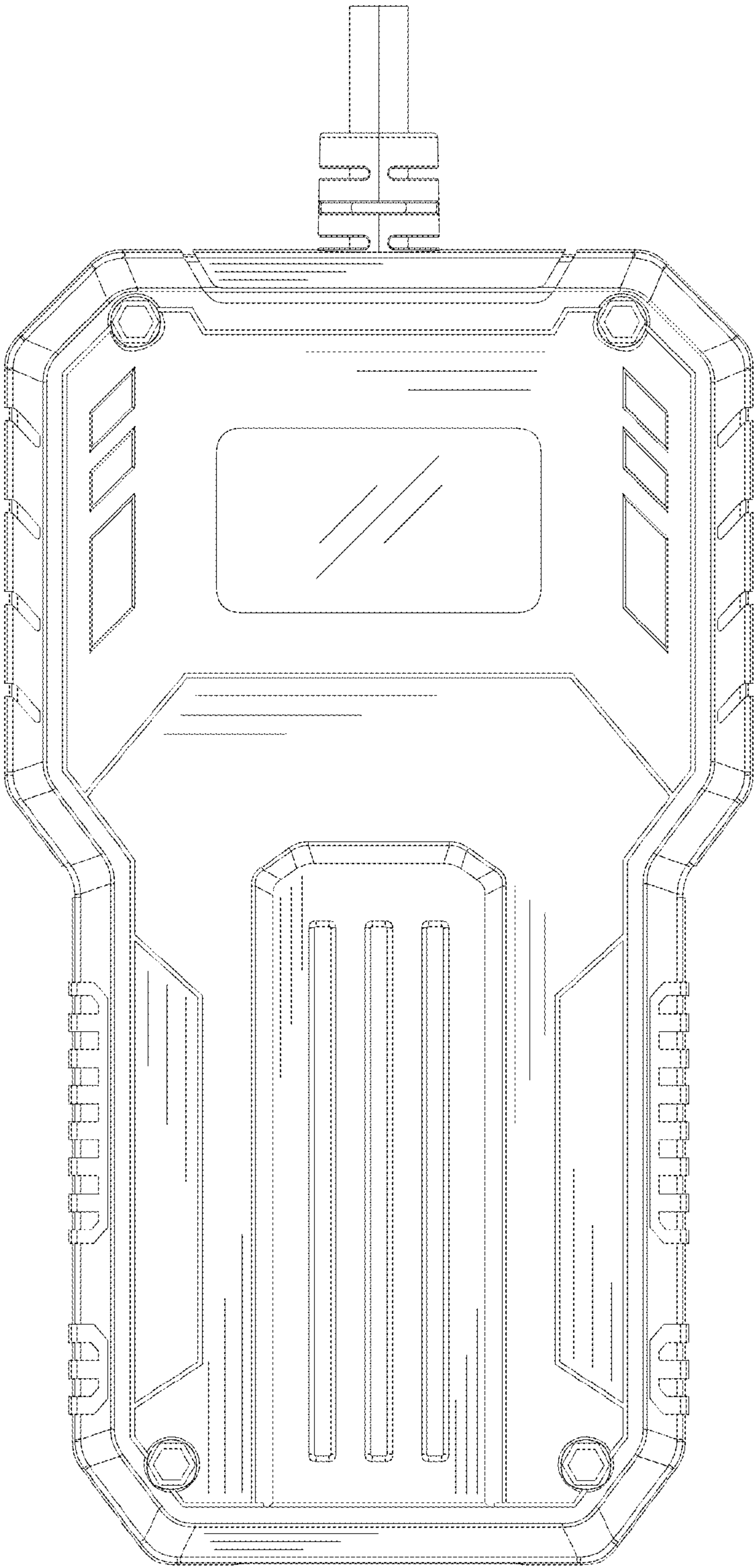


Fig.2

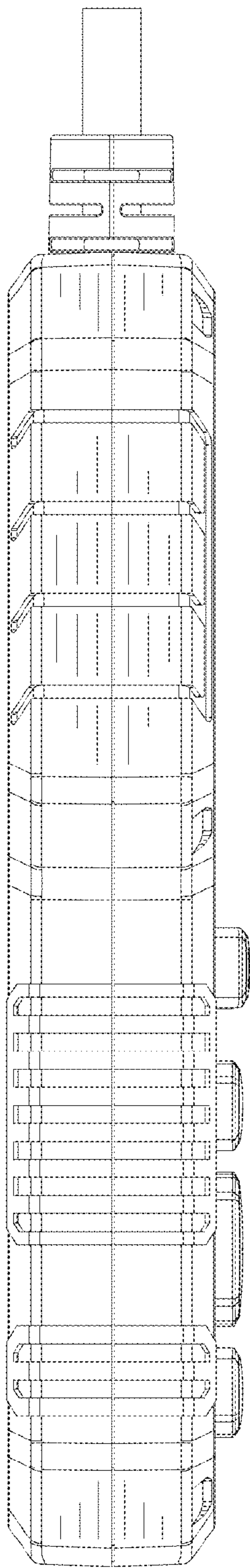


Fig.3

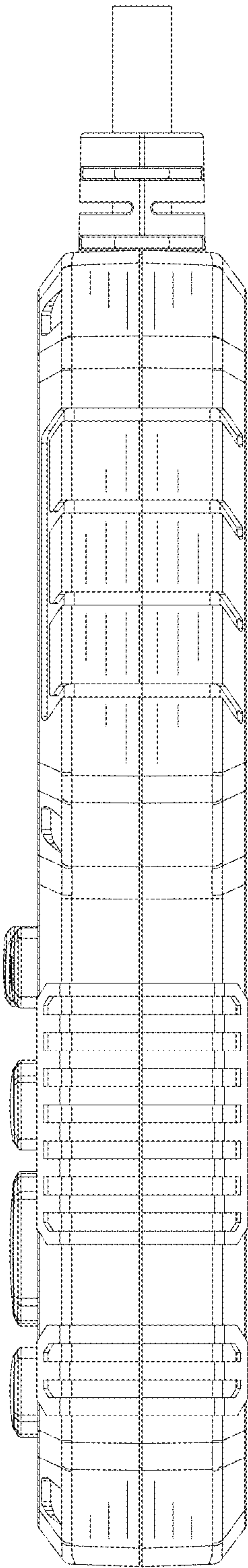


Fig.4

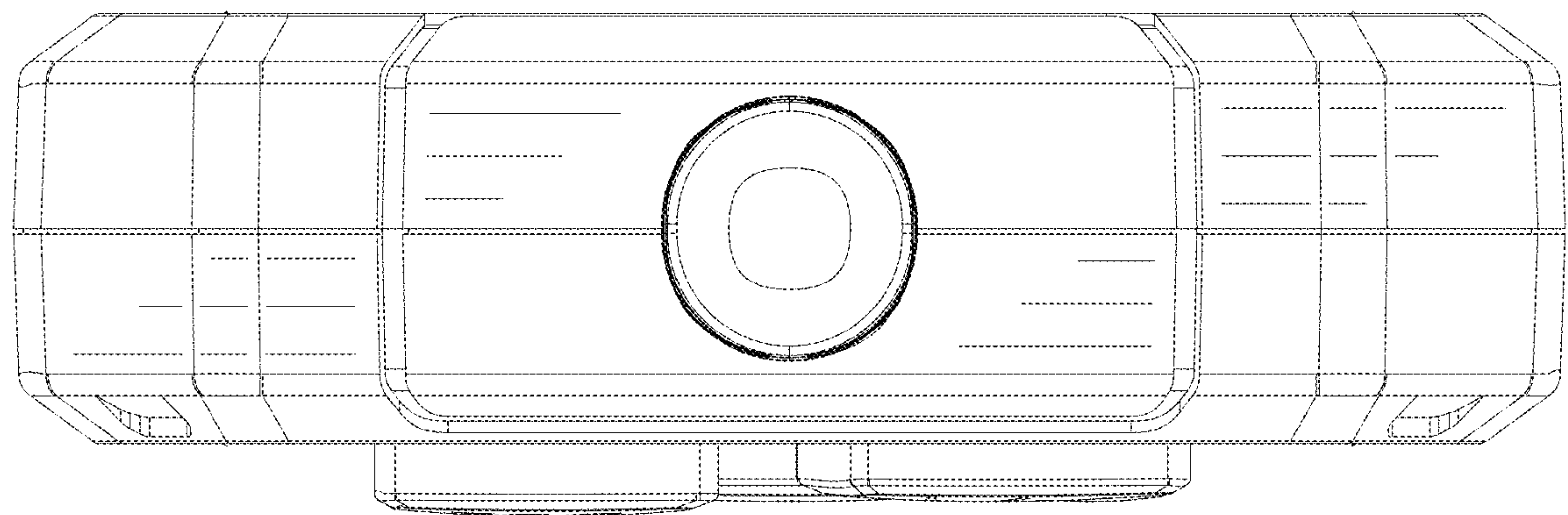


Fig. 5

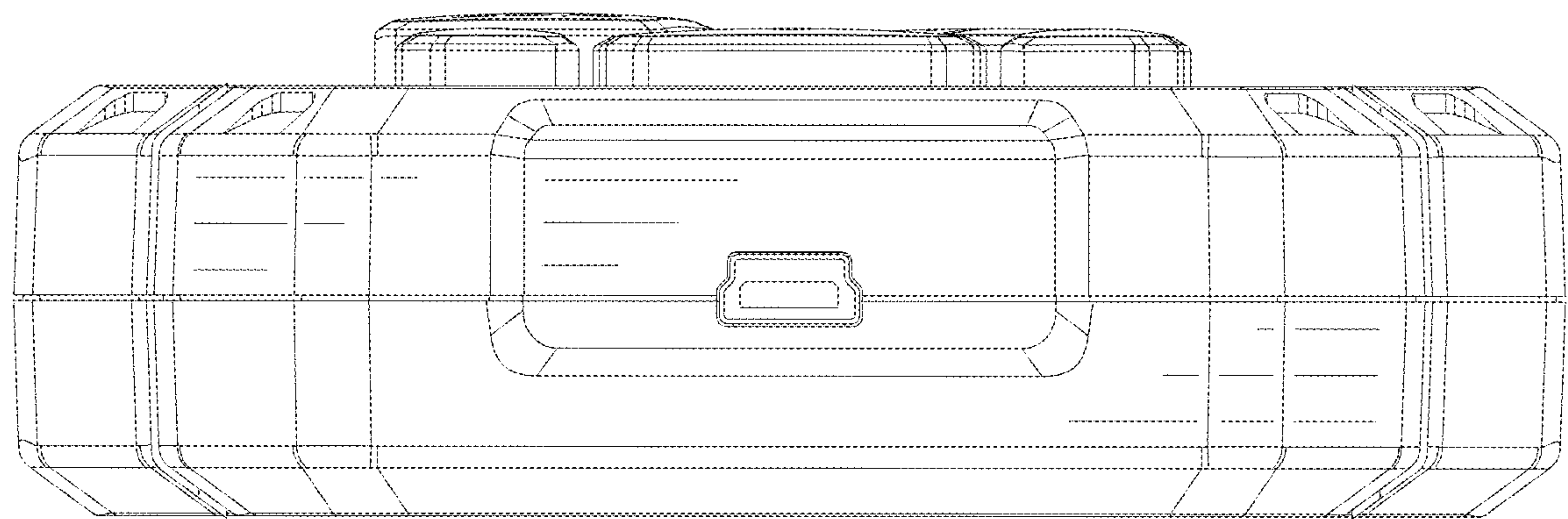


Fig. 6

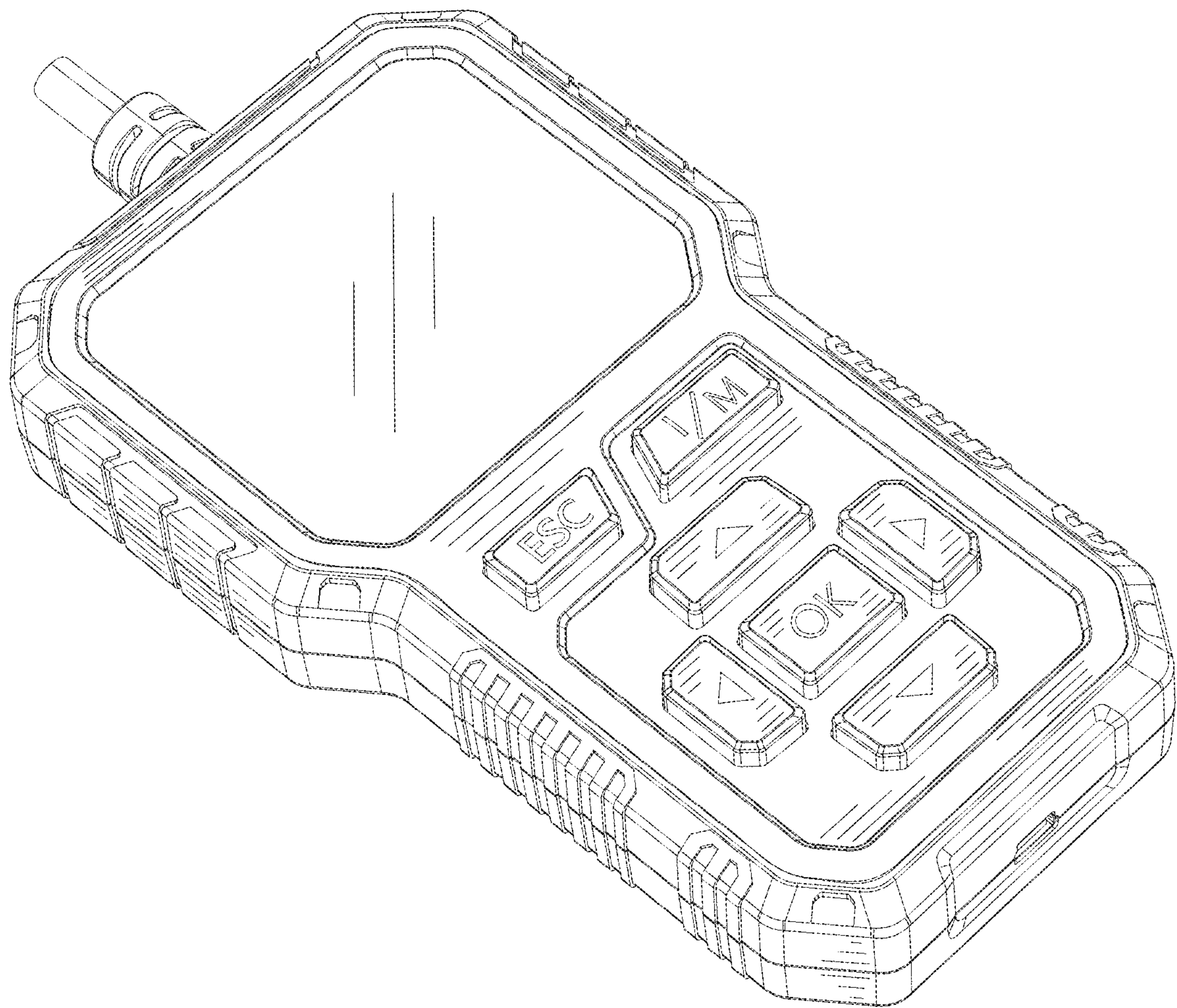


Fig.7

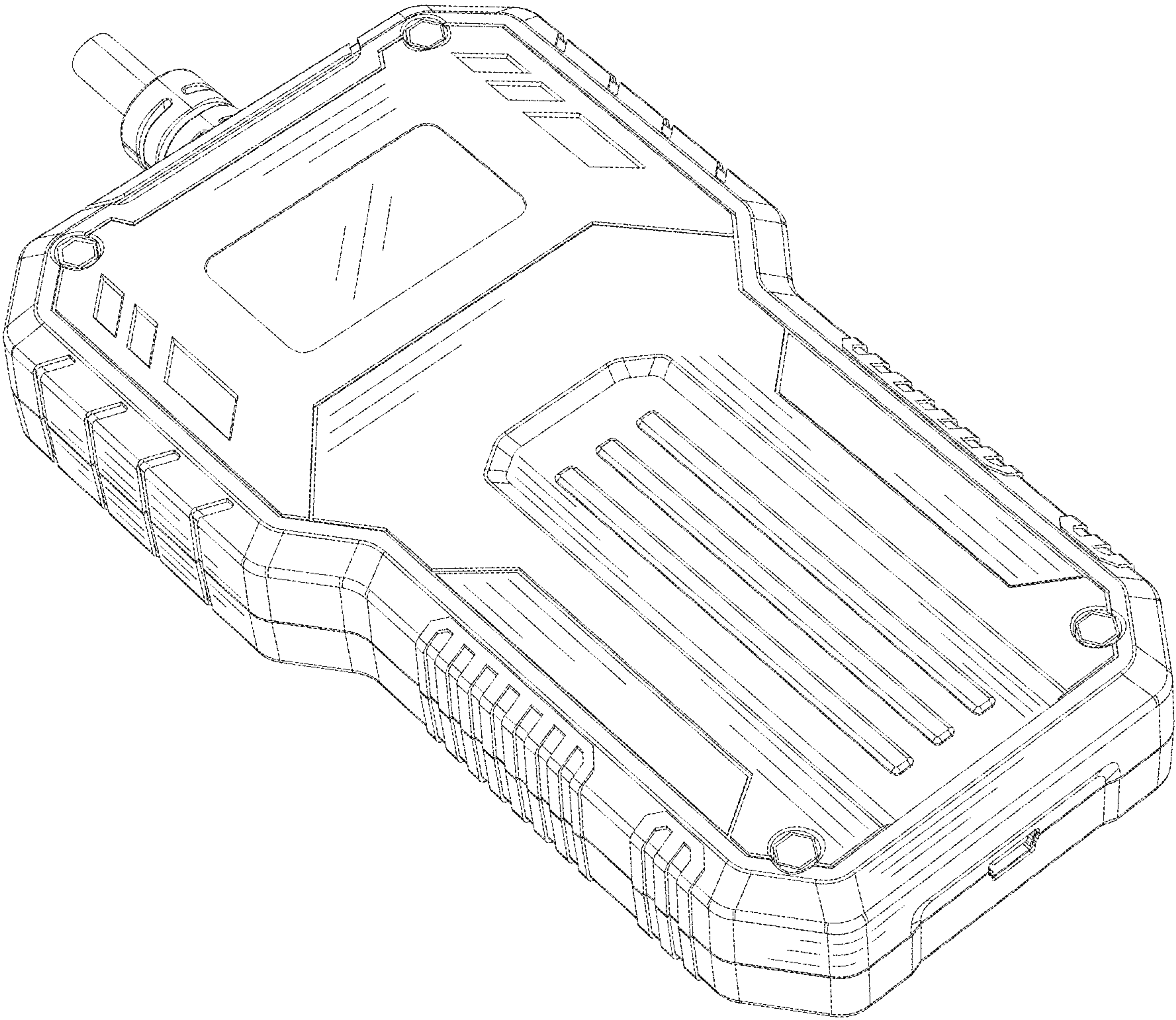


Fig. 8