

US00D699189S

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

(10) **Patent No.:** **US D699,189 S**

(45) **Date of Patent:** **** Feb. 11, 2014**

(54) **ELECTRICAL CONNECTOR**

(71) Applicant: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)

(72) Inventors: **Yusuke Obata**, Tokyo (JP); **Masakazu Kuroiwa**, Tokyo (JP); **Yoshinobu Yamamoto**, Tokyo (JP); **Nobuyasu Oiri**, Tokyo (JP); **Katsumi Takegawa**, Tokyo (JP)

(73) Assignee: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)

(**) Term: **14 Years**

(21) Appl. No.: **29/443,318**

(22) Filed: **Jan. 16, 2013**

(30) **Foreign Application Priority Data**

Aug. 7, 2012 (JP) 2012-018921

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/147**

(58) **Field of Classification Search**
USPC D13/146, 147, 154, 184, 199;
439/78-79, 82, 155, 157, 160, 180,
439/246, 252, 278, 310, 350-354, 357, 358,
439/372, 374, 378-379, 381, 527, 529, 533,
439/660, 676-677, 680, 686, 692, 752, 892,
439/894

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D328,590 S * 8/1992 Tanaka D13/147
D332,774 S * 1/1993 Watanabe et al. D13/147

D345,140 S * 3/1994 Nakamura D13/147
D426,194 S * 6/2000 Ko et al. D13/147
6,371,778 B1 * 4/2002 Watanabe 439/157
D459,702 S * 7/2002 Watanabe D13/147
D502,922 S * 3/2005 Cheng et al. D13/147
D524,751 S * 7/2006 Lee et al. D13/147
D577,338 S * 9/2008 Yamagami et al. D13/147
D593,499 S * 6/2009 Mase
D605,133 S * 12/2009 Tanaka et al. D13/147
D606,023 S * 12/2009 Mase
2001/0046798 A1 * 11/2001 Noro et al. 439/157

* cited by examiner

Primary Examiner — Daniel Bui

(74) *Attorney, Agent, or Firm* — Cermak Nakajima LLP;
Tomoko Nakajima

(57) **CLAIM**

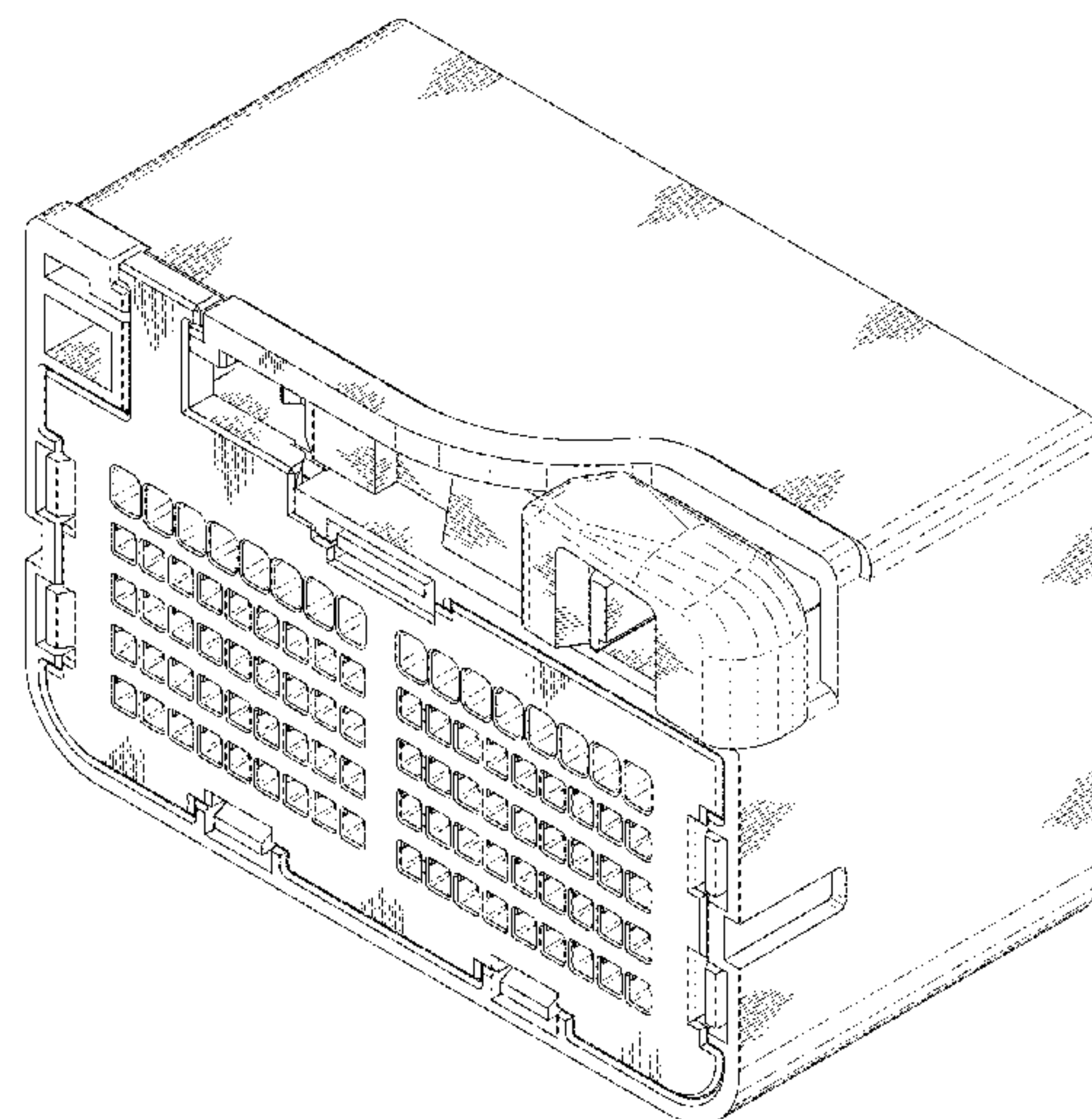
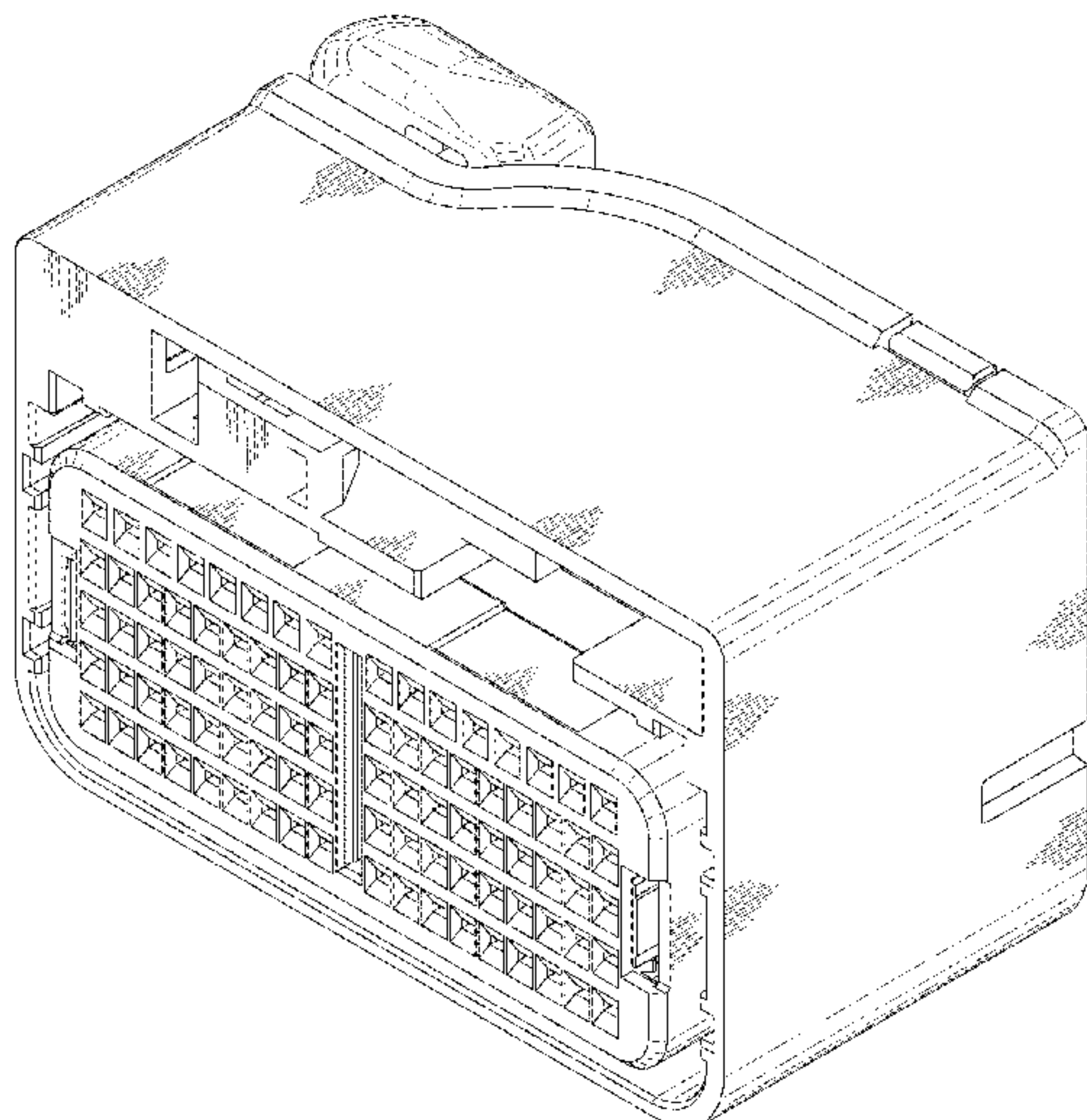
The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of an electrical connector showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a right side elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a rear elevational view thereof; and
FIG. 6 is a bottom plan view thereof.
FIG. 7 is a front and top perspective view thereof;
FIG. 8 is a front and bottom perspective view thereof;
FIG. 9 is a rear and top perspective view thereof; and
FIG. 10 is a rear and bottom perspective view thereof; and
FIG. 11 is a rear and top perspective view thereof in use condition.

The broken line in the figure drawing views is included to illustrate unclaimed environment only and forms no parts of the design.

1 Claim, 11 Drawing Sheets



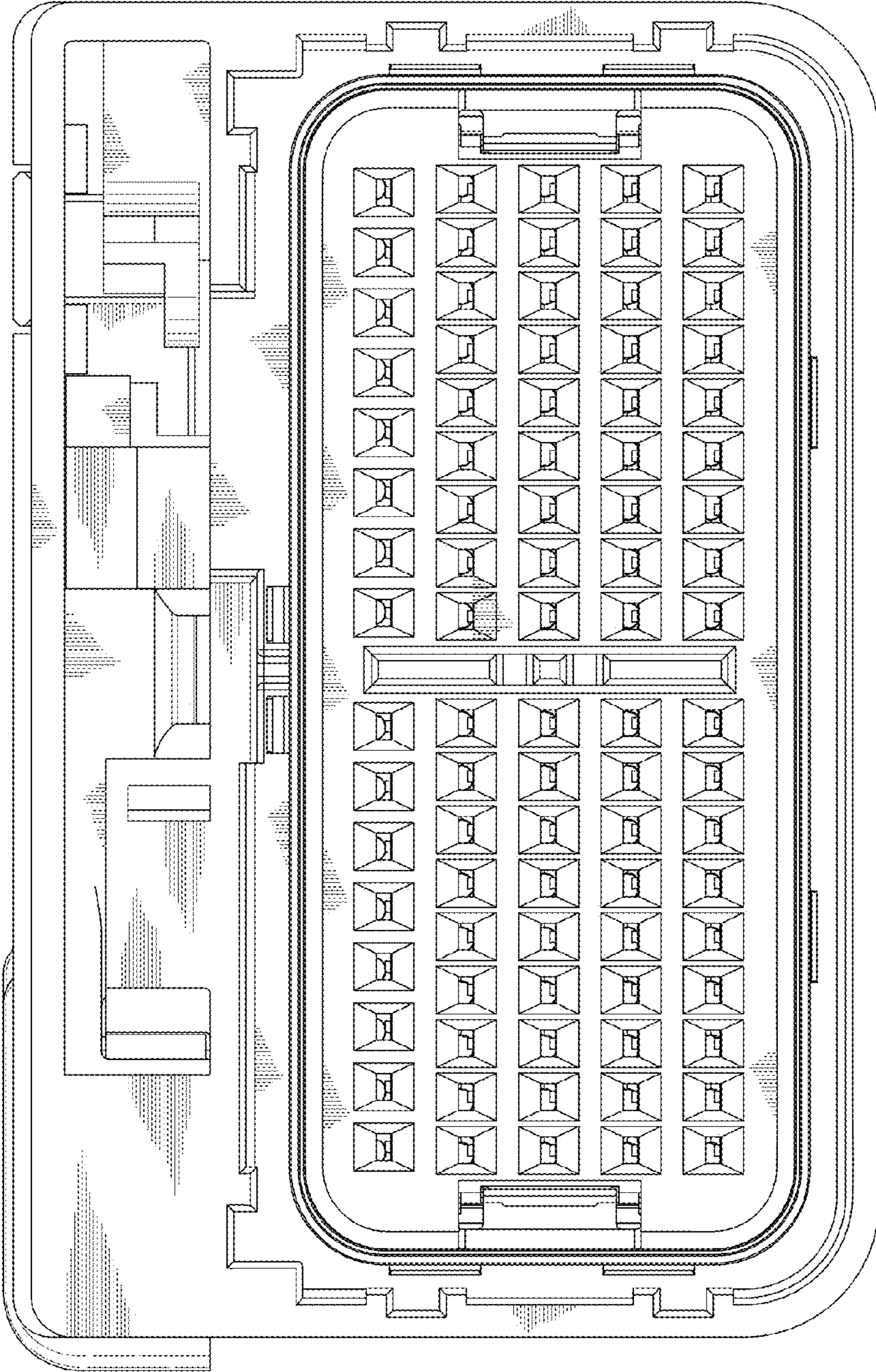


FIG.1

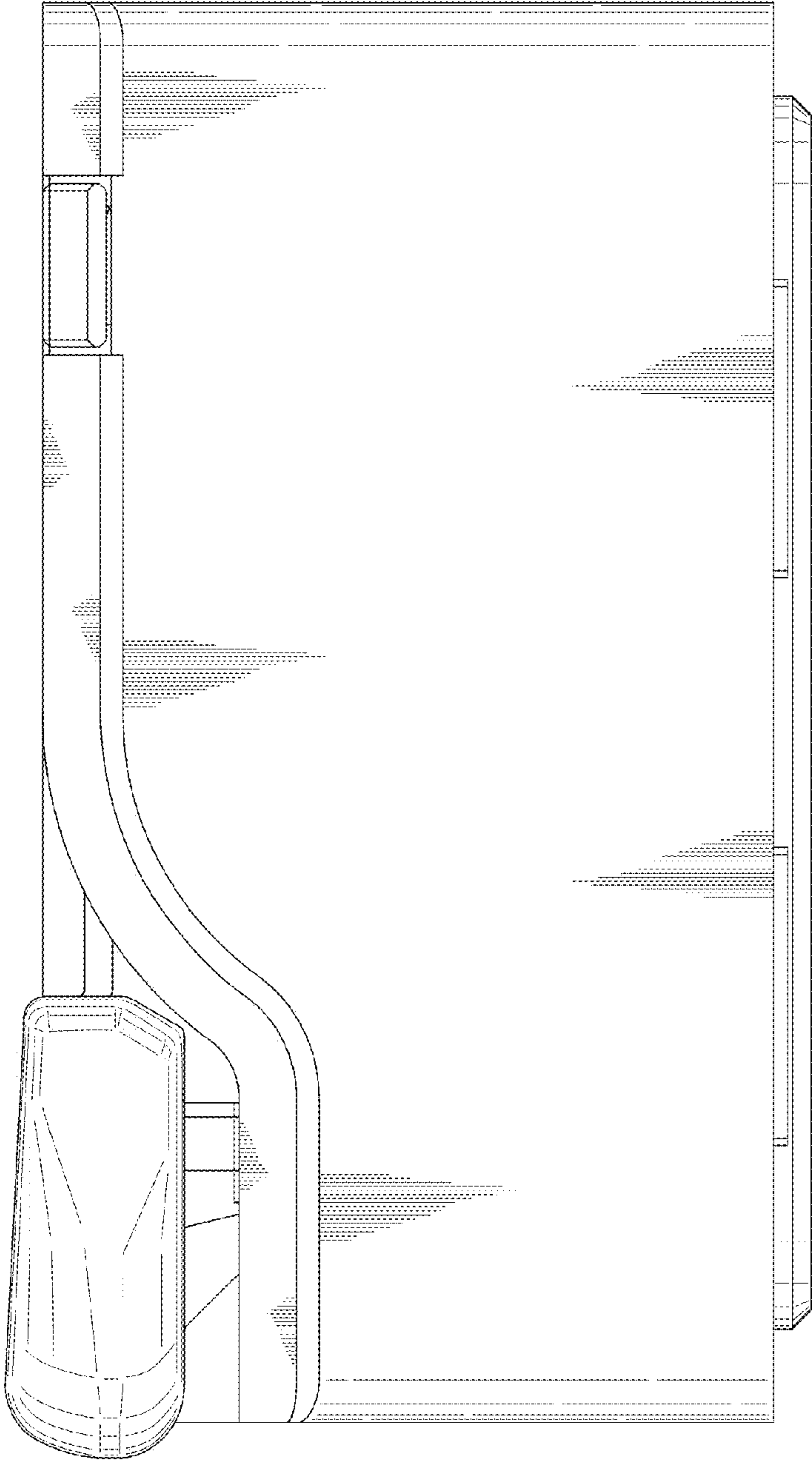


FIG.2

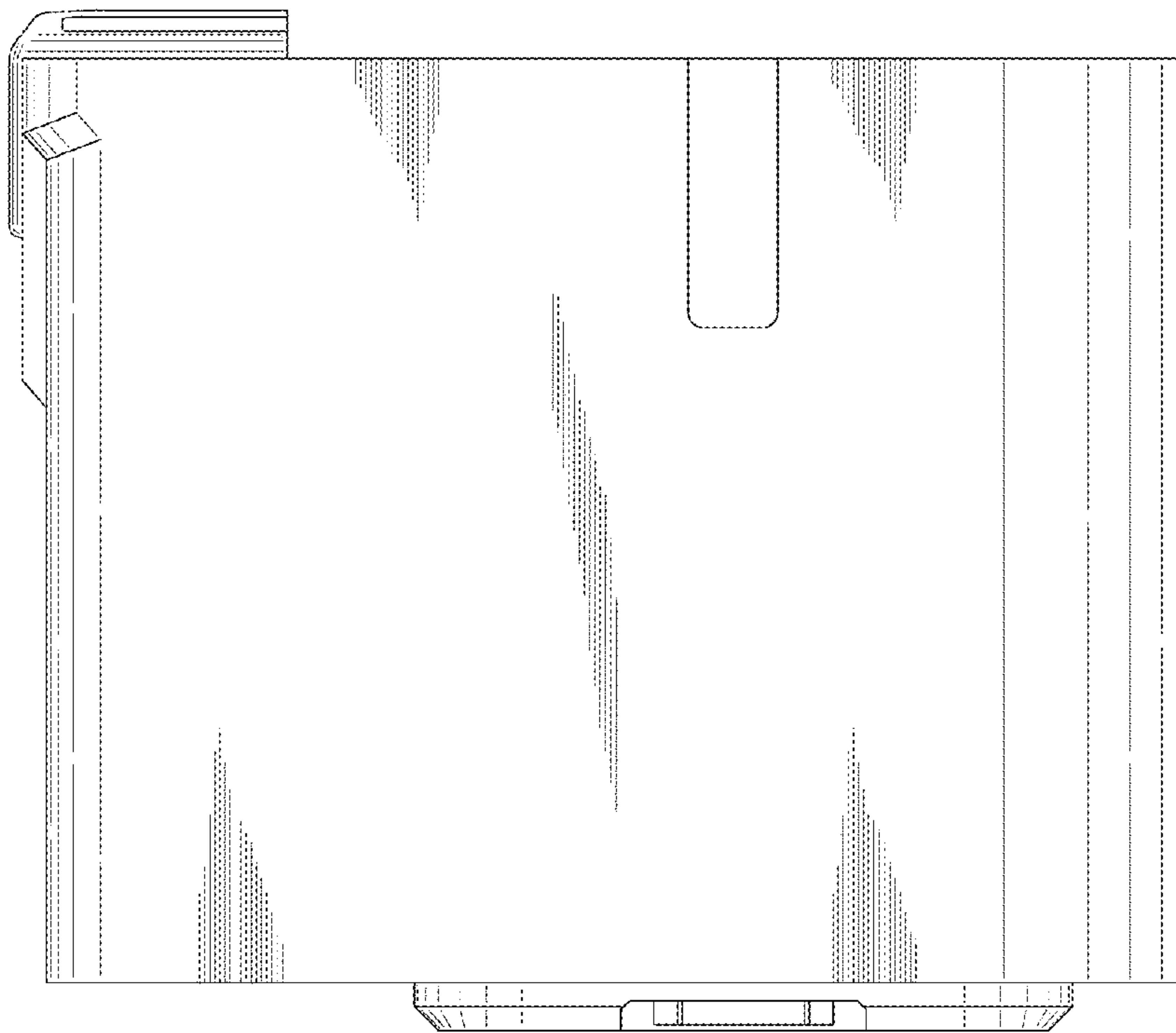


FIG.3

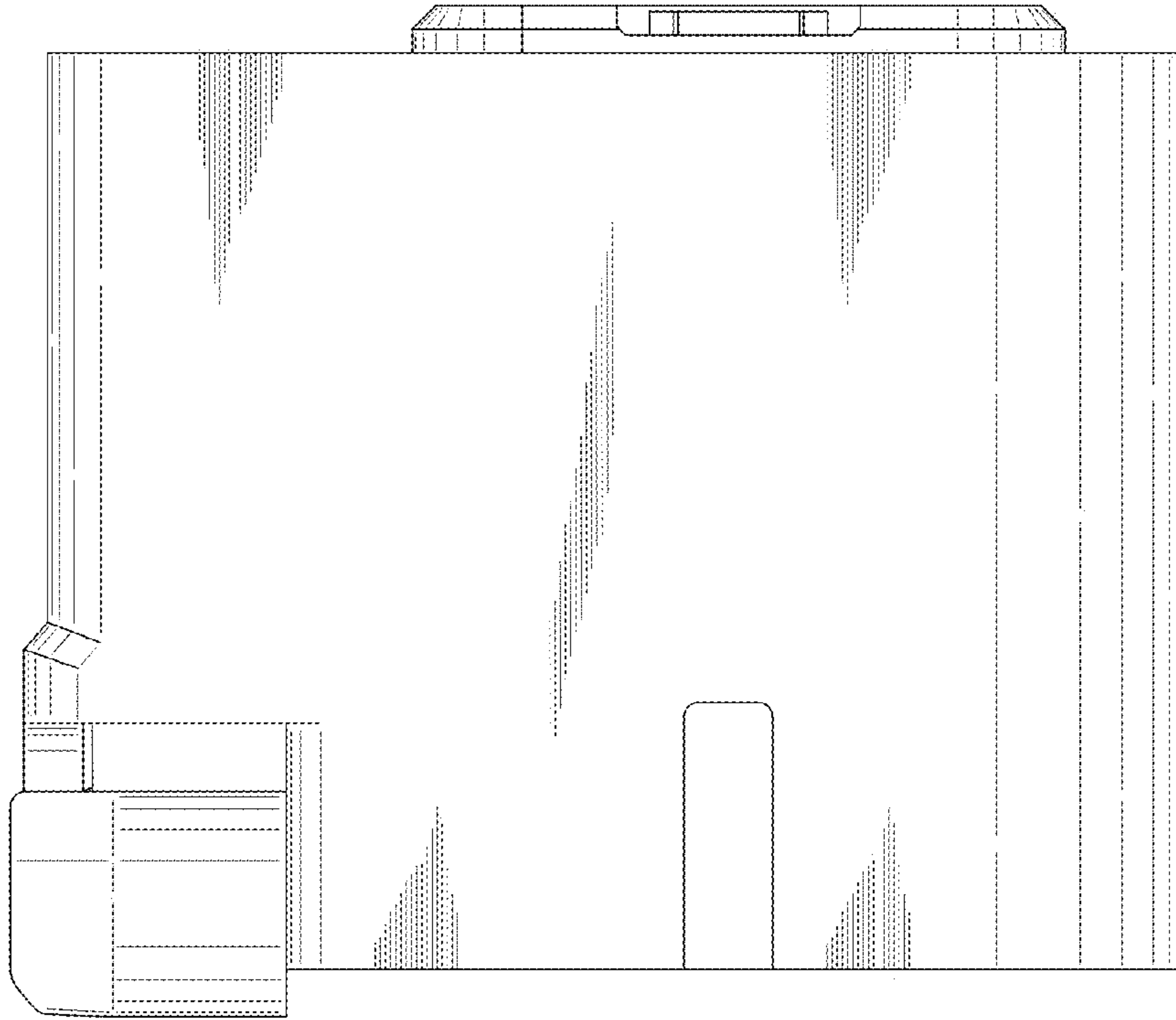


FIG.4

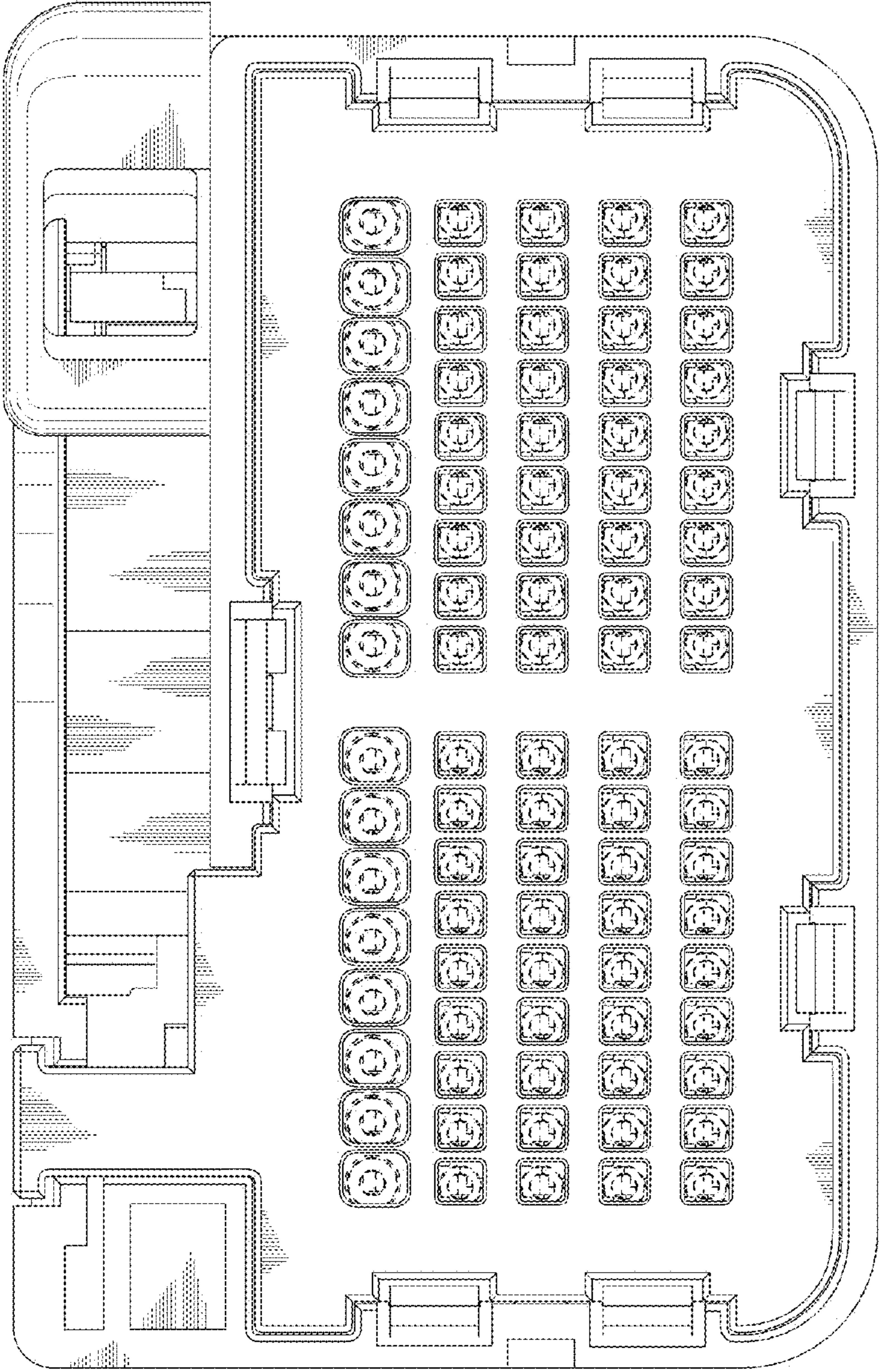


FIG.5

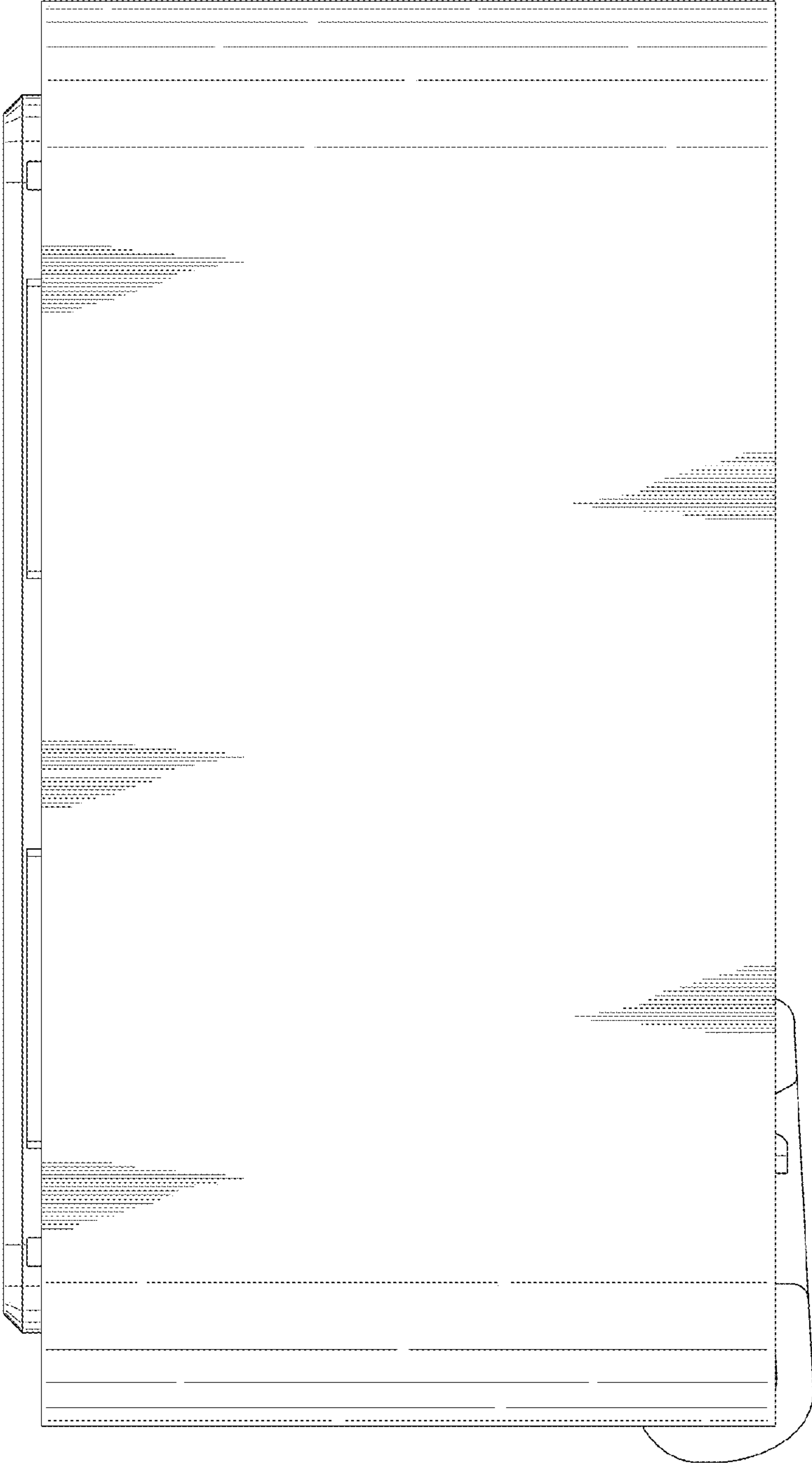


FIG.6

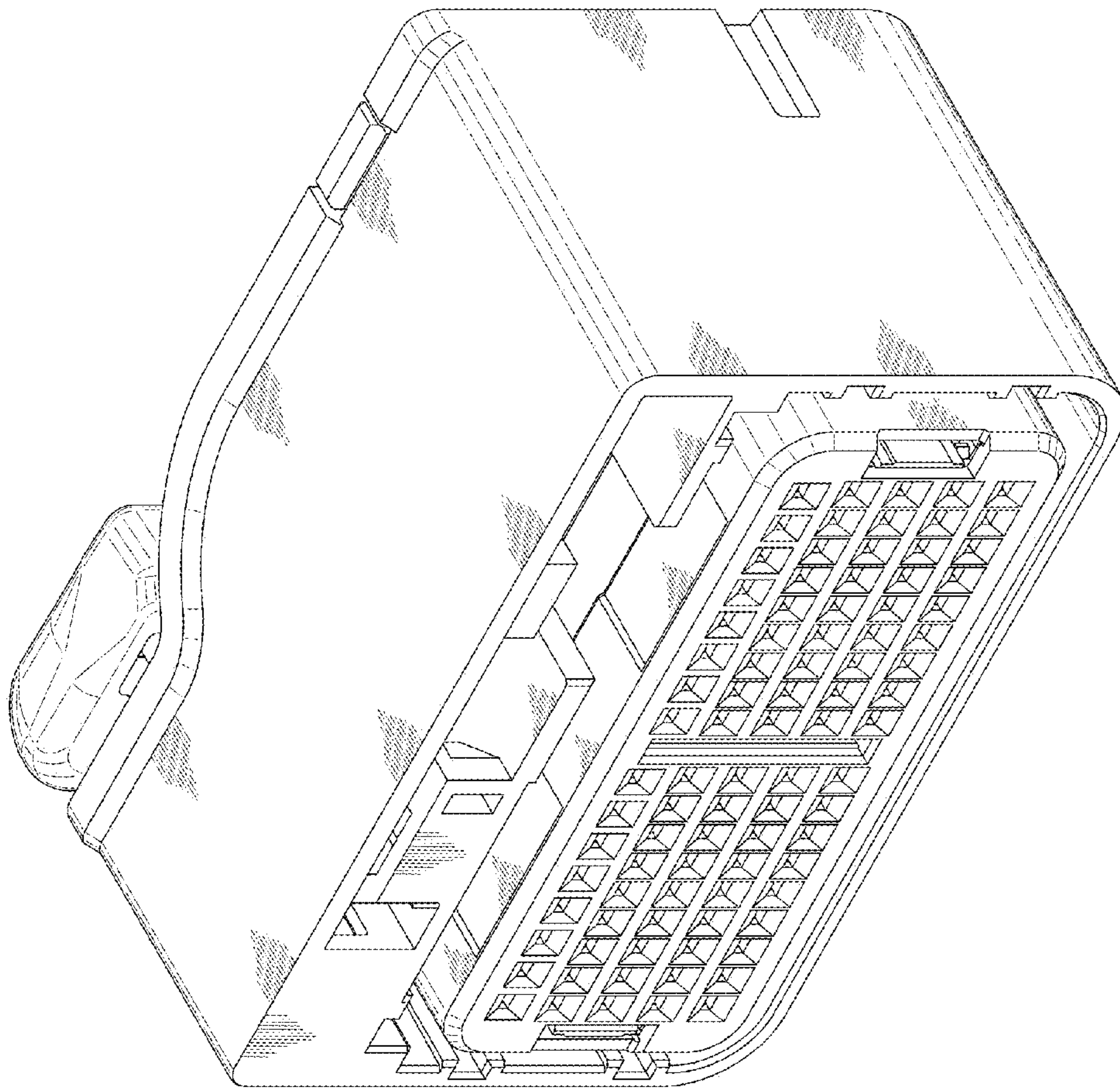


FIG.7

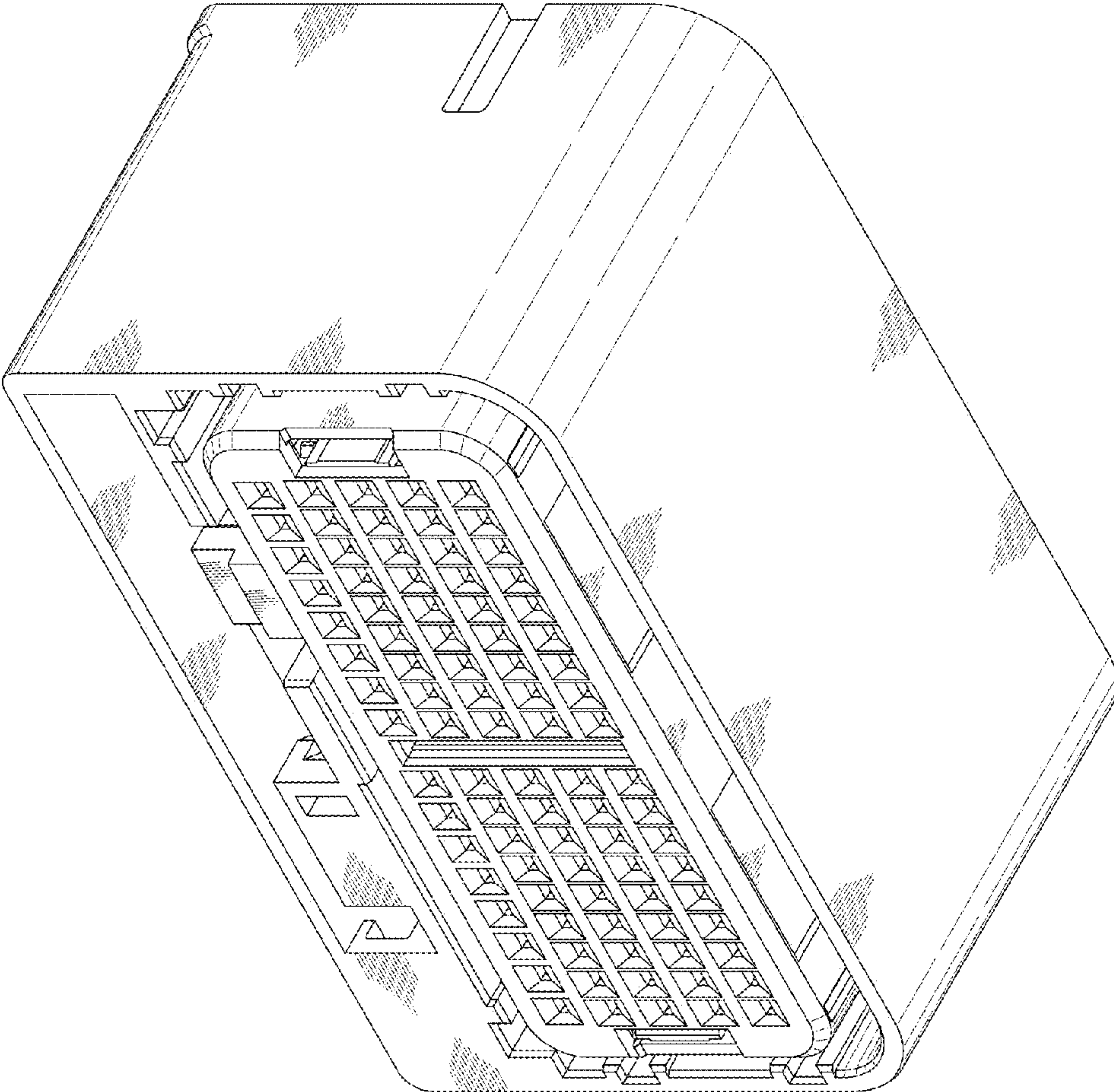


FIG.8

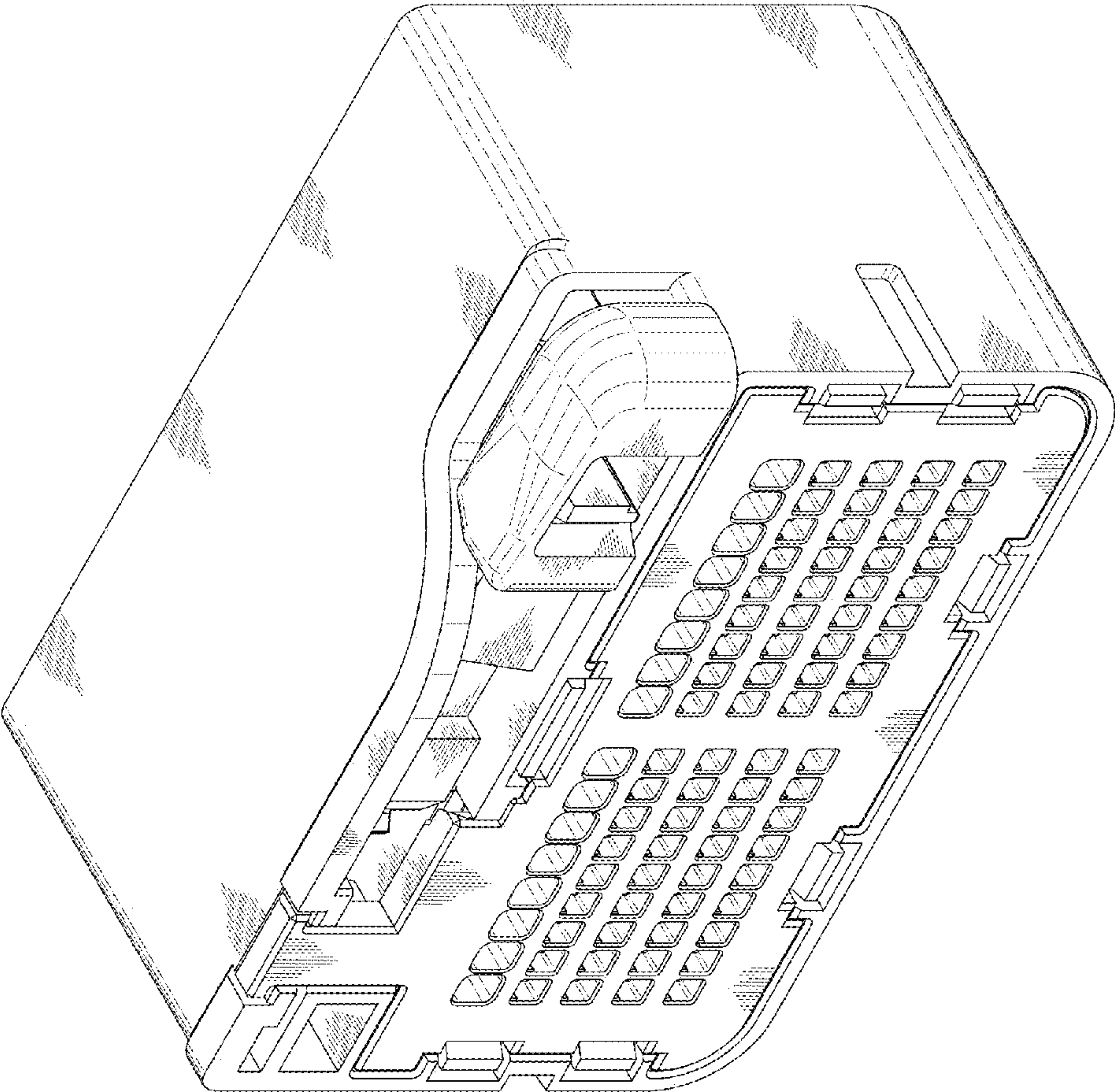


FIG.9

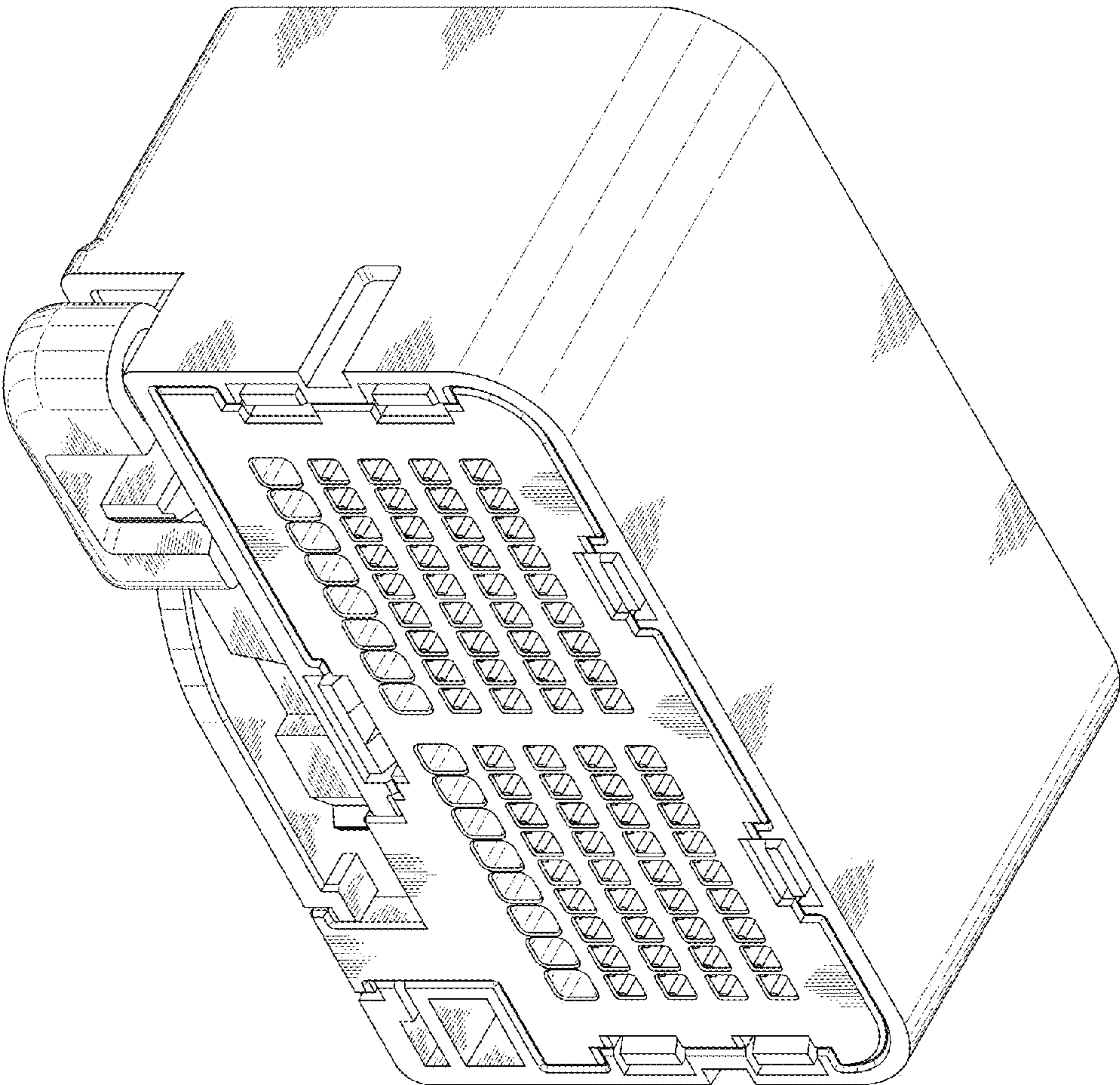


FIG.10

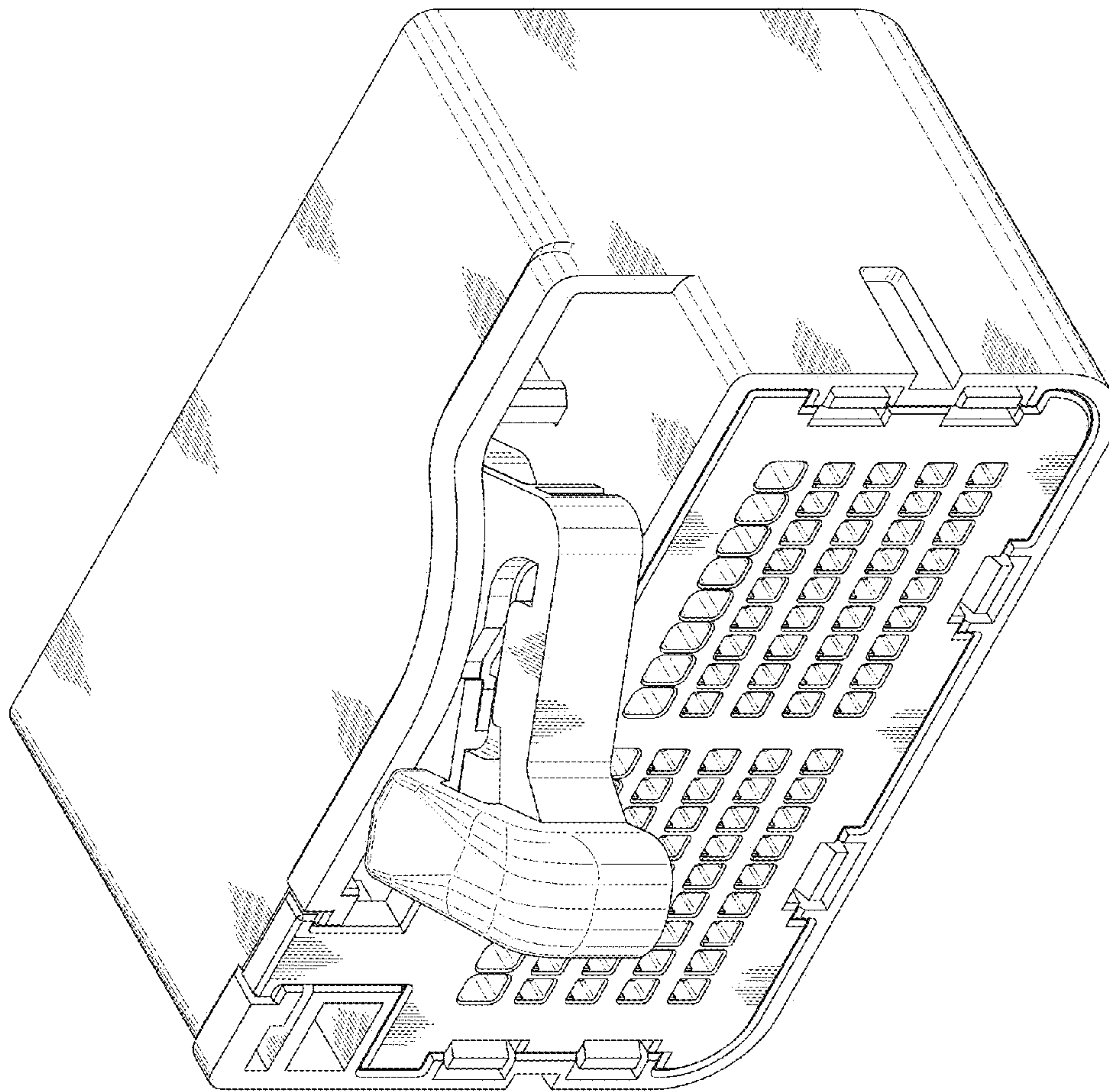


FIG.11