



US00D907578S

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

(10) **Patent No.:** **US D907,578 S**
(45) **Date of Patent:** **** Jan. 12, 2021**

- (54) **CONNECTOR BODY**
- (71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)
- (72) Inventors: **YunLong Qiao**, Singapore (SG); **Saujit Bandhu**, Singapore (SG); **Vincent Tan**, Singapore (SG); **Kok Hoe Lee**, Singapore (SG)
- (73) Assignee: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/676,169**
- (22) Filed: **Jan. 9, 2019**

- D635,519 S * 4/2011 Hoffman D13/147
 - D661,656 S * 6/2012 Bodmann D13/147
 - 9,653,849 B2 * 5/2017 Hsu H01R 13/6585
 - D793,959 S * 8/2017 Chen D13/147
 - D831,575 S * 10/2018 Moreno D13/147
 - D835,046 S * 12/2018 Bingham D13/147
 - D840,939 S * 2/2019 Chen D13/147
 - D843,947 S * 3/2019 Chan D13/147
 - 10,498,091 B2 * 12/2019 Xu H01R 13/6597
- (Continued)

- Related U.S. Application Data**
- (63) Continuation-in-part of application No. 15/998,476, filed on Aug. 15, 2018, now Pat. No. 10,535,939.
 - (51) **LOC (13) Cl.** **13-03**
 - (52) **U.S. Cl.**
USPC **D13/147**
 - (58) **Field of Classification Search**
USPC D13/101, 112, 110, 118, 120, 123, 133,
D13/146, 147, 149, 154, 156, 182, 184,
D13/199; D14/356, 433, 435
CPC H01R 24/00; H01R 12/00; H01R 12/70;
H01R 13/62
See application file for complete search history.

- (56) **References Cited**
- U.S. PATENT DOCUMENTS
- | | | | | |
|-----------|-----|---------|----------|---------|
| 5,480,327 | A | 1/1996 | Zola | |
| 6,814,588 | B1 | 11/2004 | Dunlavy | |
| D583,766 | S * | 12/2008 | Chiang | D13/147 |
| D598,862 | S * | 8/2009 | Chen | D13/147 |
| D601,505 | S * | 10/2009 | Fukazawa | D13/147 |

OTHER PUBLICATIONS

“3M Power Clamp Wiremount Socket”. Found online May 20, 2020 at alliedelec.com. Reference dated Sep. 15, 2010. Retrieved from <https://www.alliedelec.com/m/d/5259a7e6093c0e9e36a373b4f7f85d10.pdf>. (Year: 2010).*

(Continued)

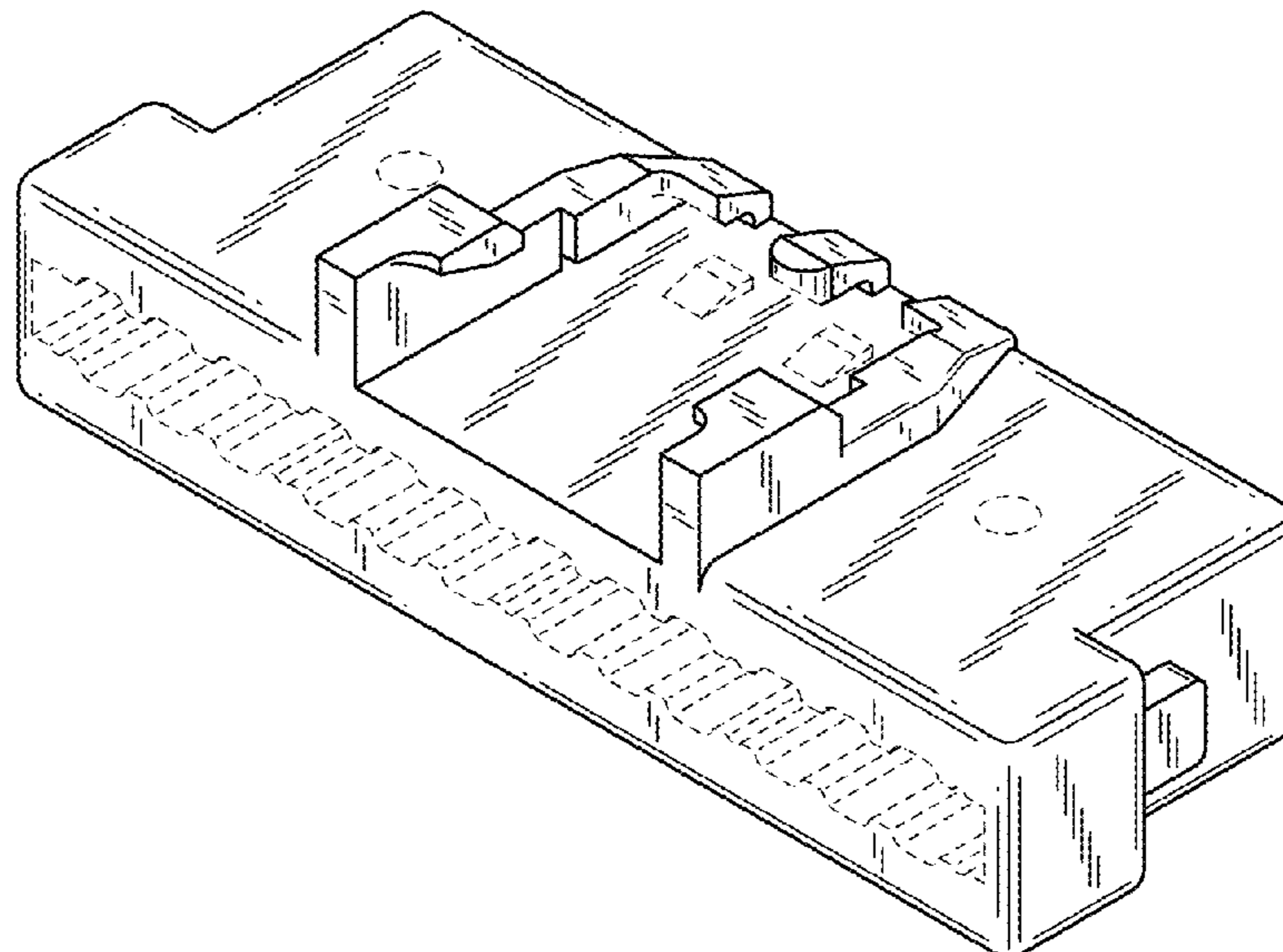
Primary Examiner — Kendra Leslie Hamilton
Assistant Examiner — Amanda Christensen
(74) *Attorney, Agent, or Firm* — Clifton F. Richardson

(57) **CLAIM**
The ornamental design for a connector body, as shown and described.

DESCRIPTION

FIG. 1 is a top, rear, right perspective view of a connector body, showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a front elevation view thereof; and,
FIG. 6 is a right side elevation view thereof.
The equal-length broken lines in the drawings depict portions of the connector body that form no part of the claimed design. The equal-length broken lines immediately adjacent to the shaded area depict unclaimed boundaries of the design.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0017826 A1* 1/2015 Chatelus H01R 13/6272
439/271
2017/0310029 A1 10/2017 Lee et al.

OTHER PUBLICATIONS

“Connfly Electronic Housing with Contact”. Found online May 20, 2020 at tme.eu. Reference dated Sep. 20, 2005. Retrieved from <https://www.tme.eu/Document/01e56a0b32d9c5e3c2bdd990974bd2c4/DS1016.pdf>. (Year: 2005).*

“3M Ribbon Cable Wiremount Socket”. Found online May 20, 2020 at distrelec.nl. Reference dated Mar. 25, 2013. Retrieved from [https://www.distrelec.nl/Web/Downloads/71/30/45104-000000_eng_tds.pdf?pid=\\$%7bproduct.code%7d](https://www.distrelec.nl/Web/Downloads/71/30/45104-000000_eng_tds.pdf?pid=$%7bproduct.code%7d). (Year: 2013).*

* cited by examiner

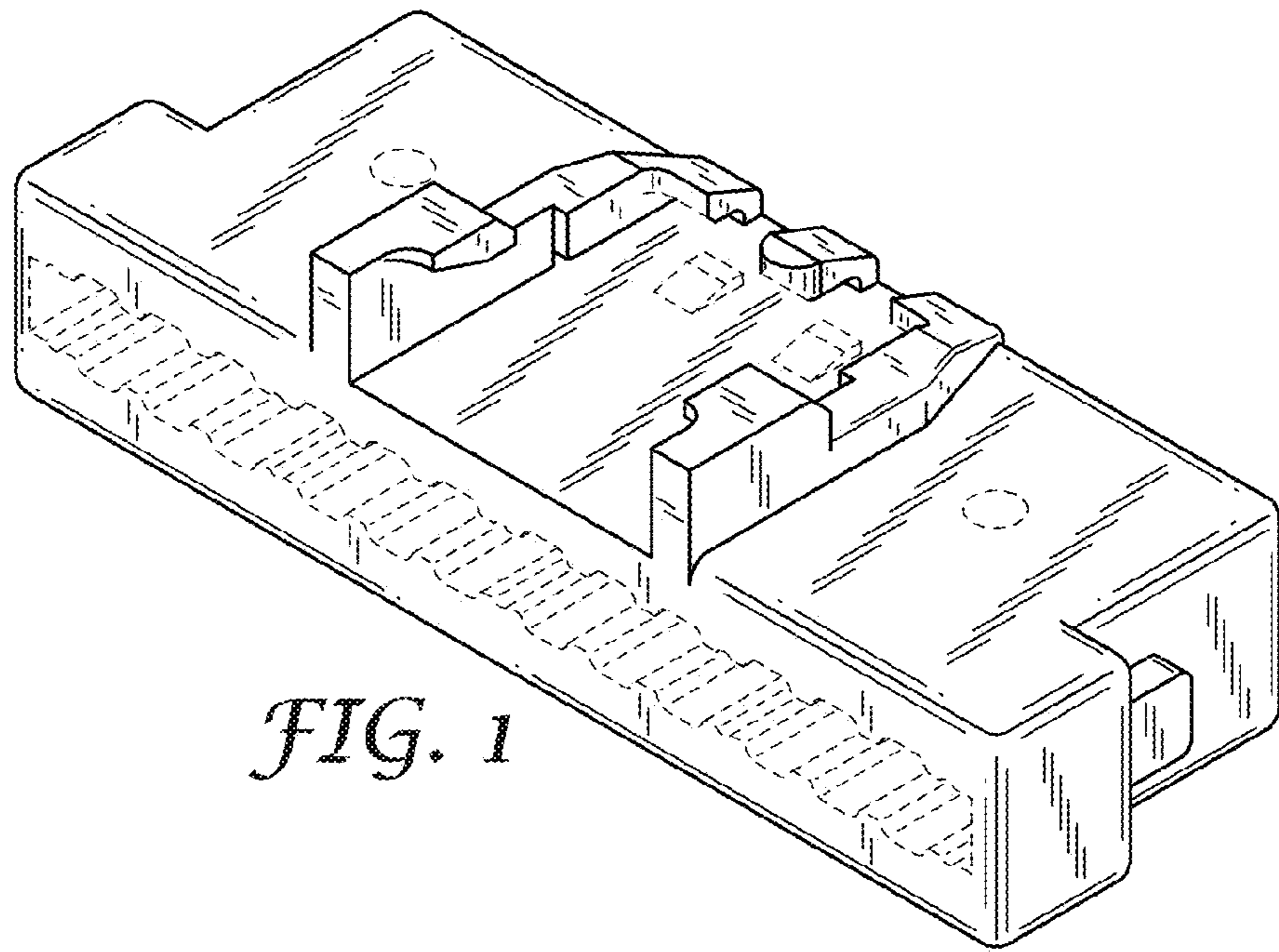


FIG. 1

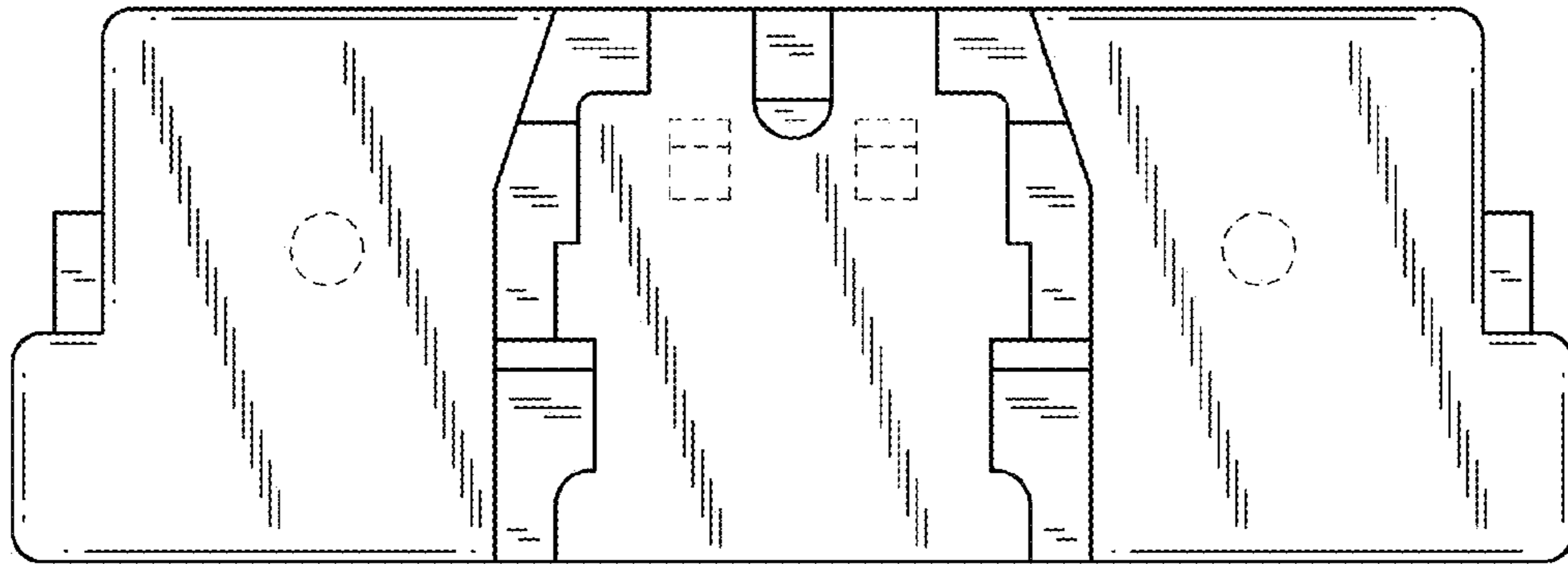


FIG. 2

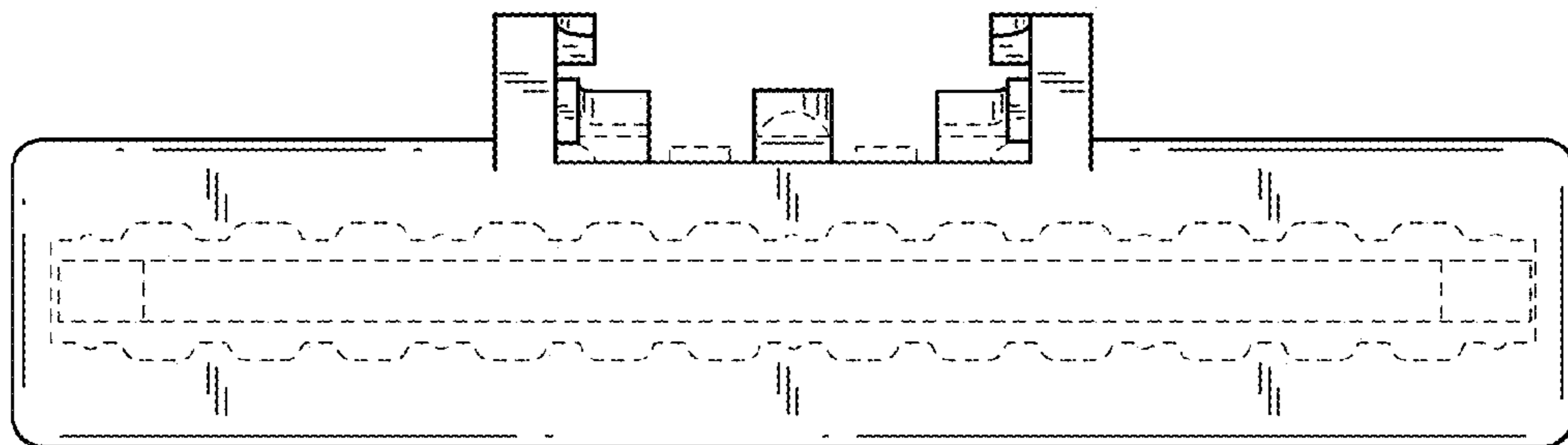


FIG. 3

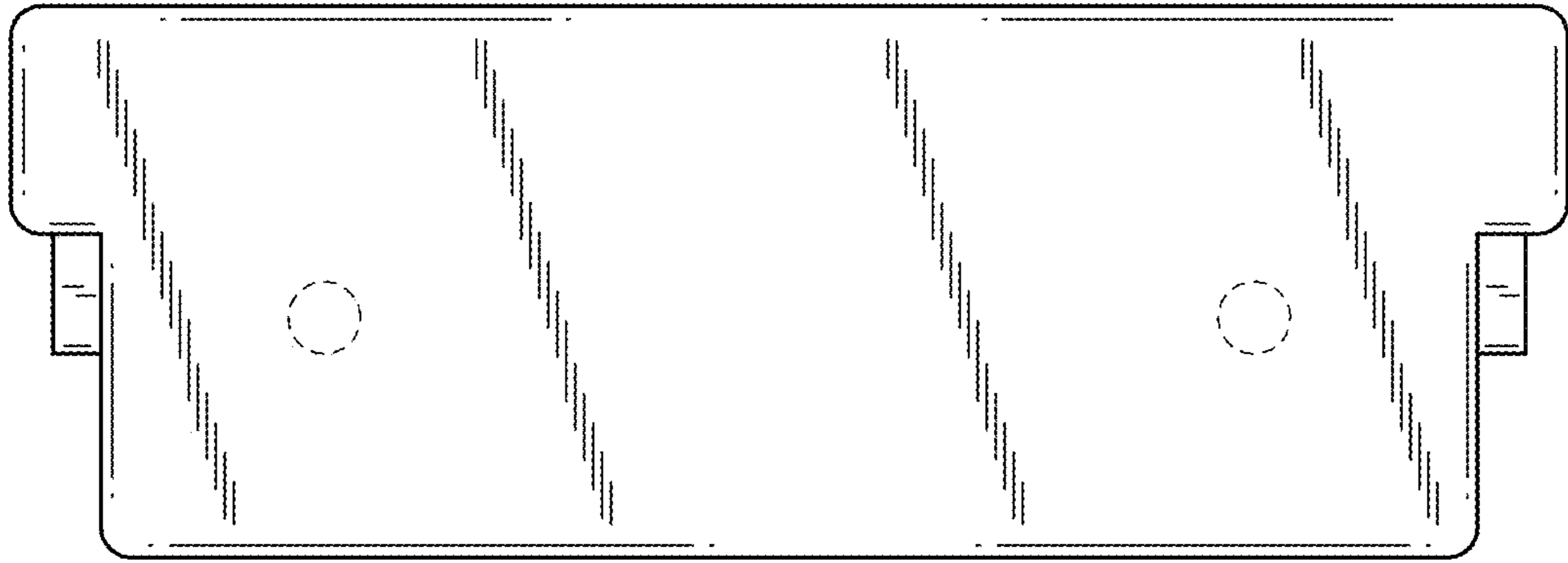


FIG. 4

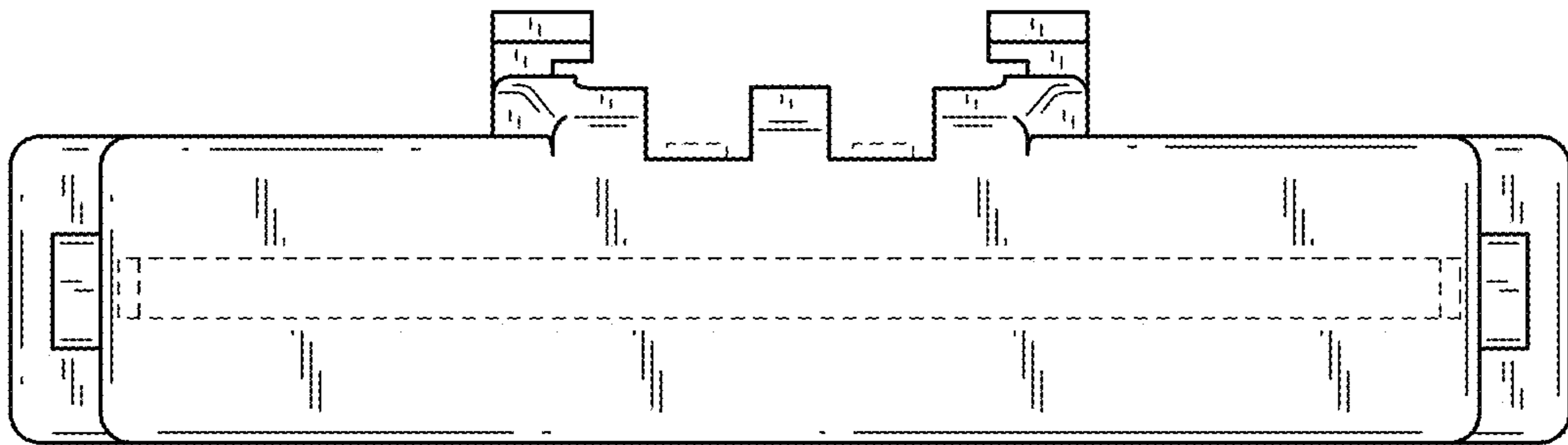


FIG. 5

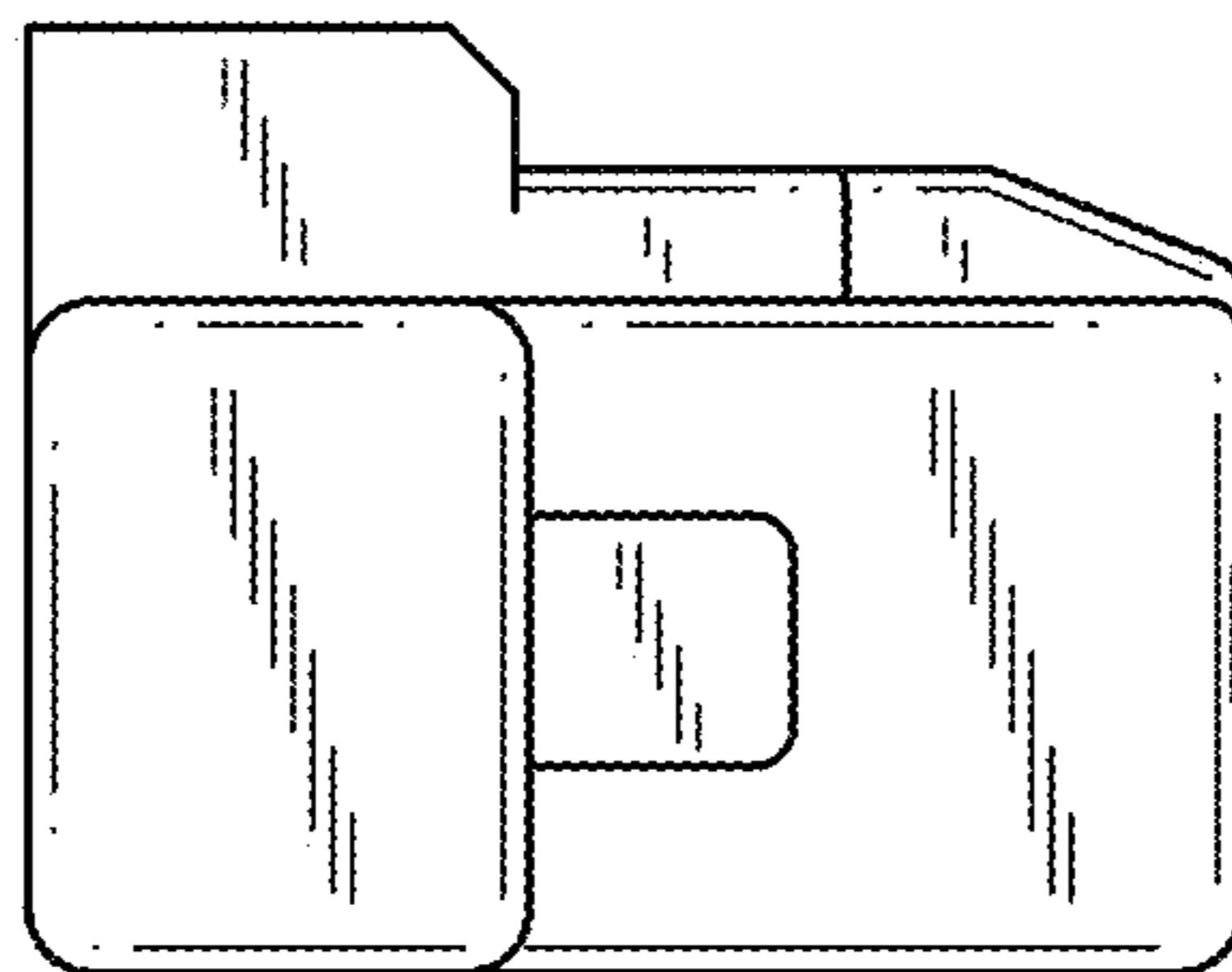


FIG. 6