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

(10) **Patent No.:** **US D754,603 S**
(45) **Date of Patent:** **** Apr. 26, 2016**

(54) **CONTACT SIGNAL CONVERTER**
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(**) Term: **14 Years**
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(30) **Foreign Application Priority Data**
Jan. 29, 2014 (JP) 2014-001709
(51) **LOC (10) Cl.** **13-03**
(52) **U.S. Cl.**
USPC **D13/123**
(58) **Field of Classification Search**
USPC D13/110, 118, 123, 133, 147, 154, D13/158-160, 174, 184, 199; D14/357, D14/432, 435, 439
CPC H01R 27/00; H01R 24/40; H01R 24/58; H01R 13/72; H01R 13/17; H01R 13/64
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D347,630 S * 6/1994 DiPrizio D14/435
D398,004 S * 9/1998 Klinker D14/436

D408,784 S * 4/1999 Maeyama D13/103
D491,941 S * 6/2004 Chen D14/357
D555,091 S * 11/2007 Kawase D13/133
D592,138 S * 5/2009 Mahaffey D13/110
D619,570 S * 7/2010 Tong D13/133
D621,782 S * 8/2010 Chang D13/138.1
D729,731 S * 5/2015 Dasbach D13/110
D731,419 S * 6/2015 Kao D13/108
D735,134 S * 7/2015 Dasbach D13/110
2002/0168891 A1 * 11/2002 Kitou H01R 13/72
439/501
2013/0330964 A1 * 12/2013 Williamson H01R 13/72
439/502

* cited by examiner
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(57) **CLAIM**
The ornamental design for a contact signal converter, as shown and described.

DESCRIPTION
FIG. 1 is a front perspective view of a contact signal converter 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 view thereof;
FIG. 7 is a bottom view thereof; and,
FIG. 8 is a perspective view thereof in use.
The broken lines shown are included for the purpose of illustrating the unclaimed portions of the contact signal converter and form no part of the claimed design.

1 Claim, 6 Drawing Sheets

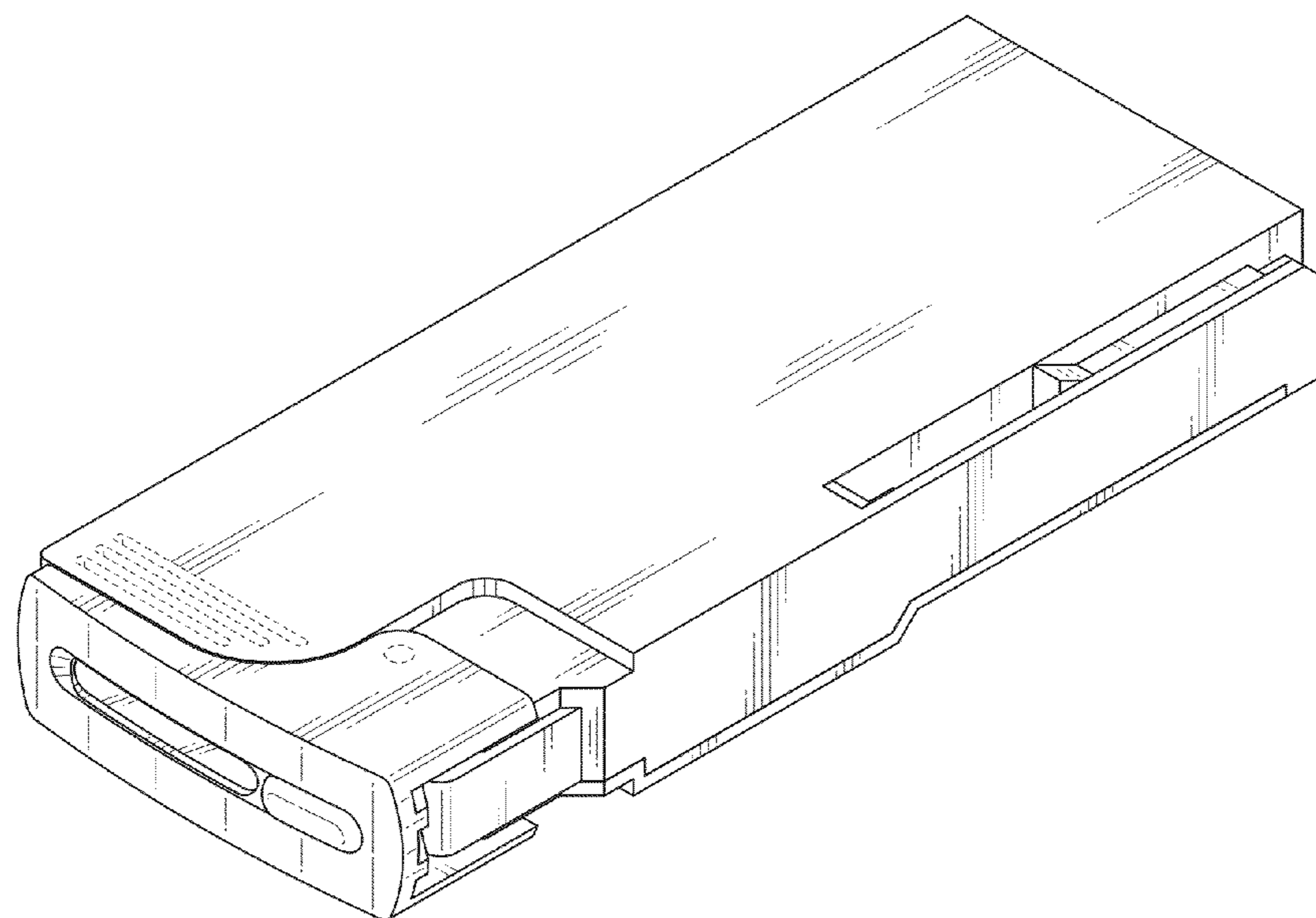


Fig. 1

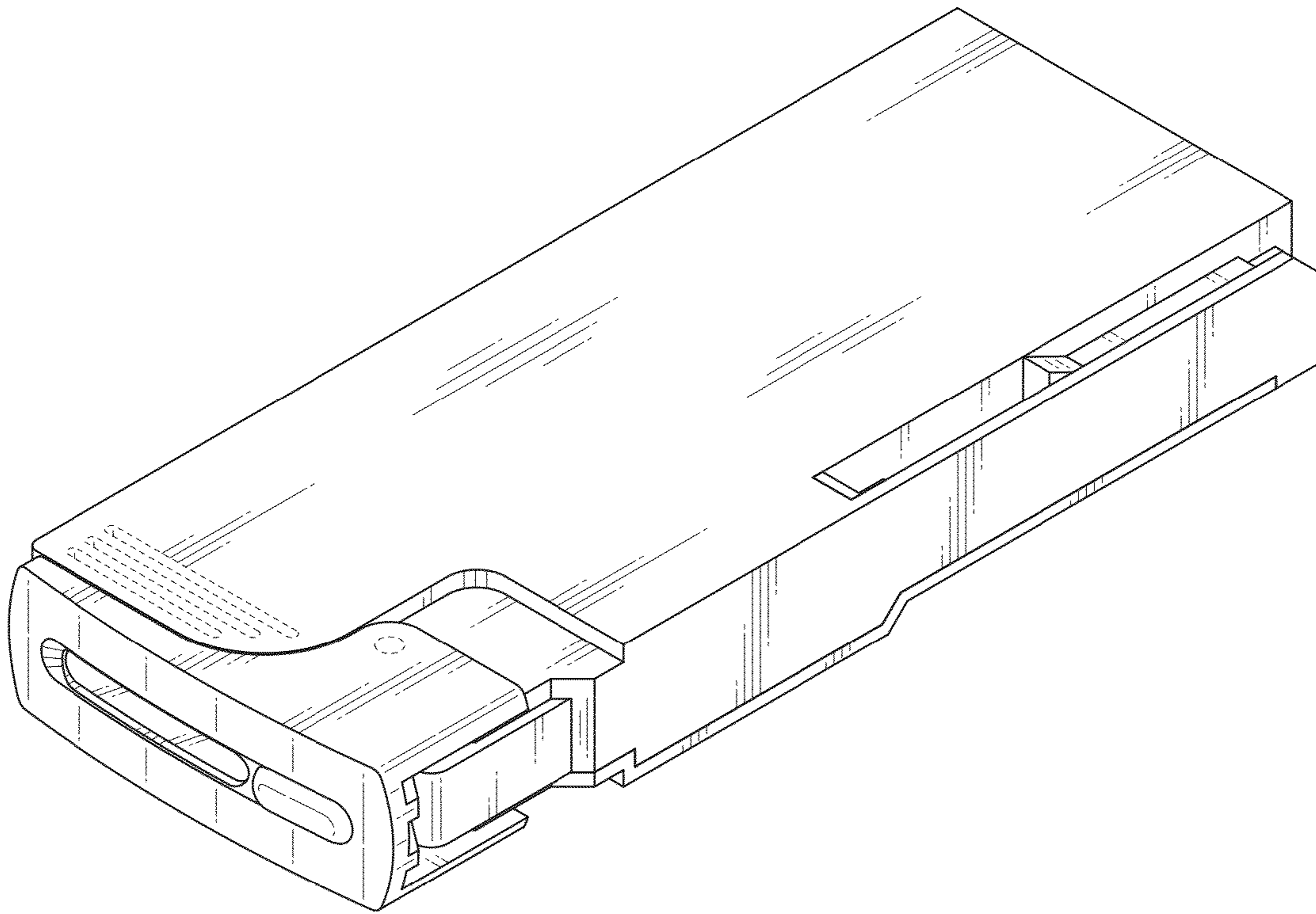


Fig. 2

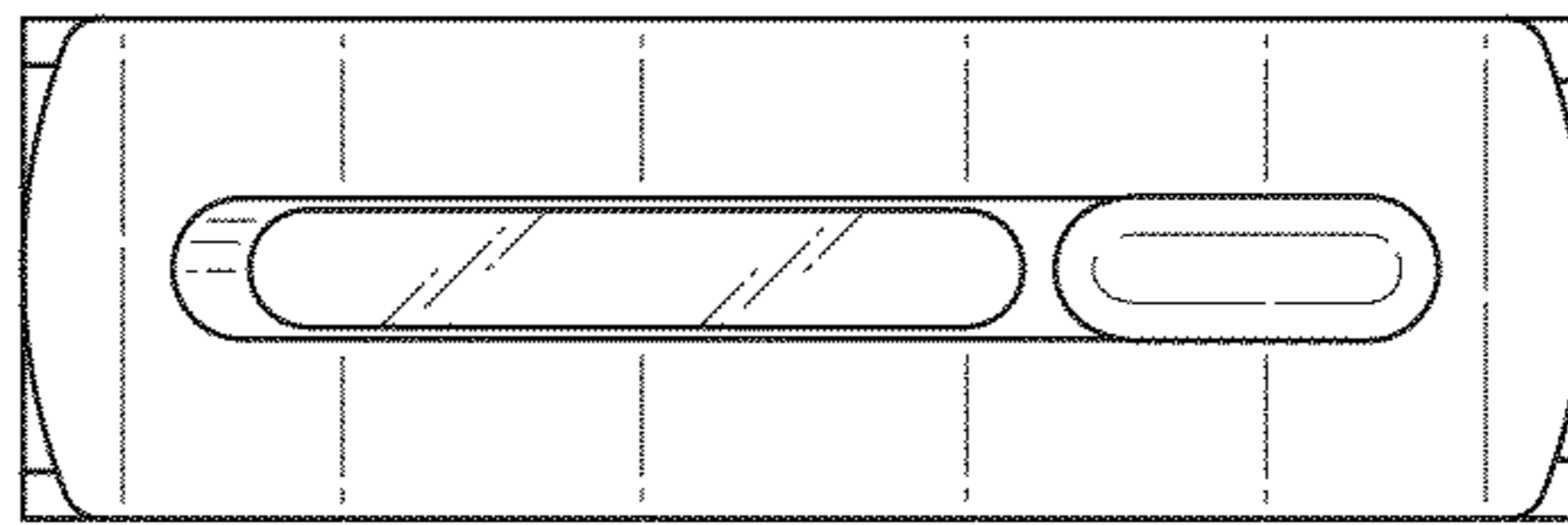


Fig. 3

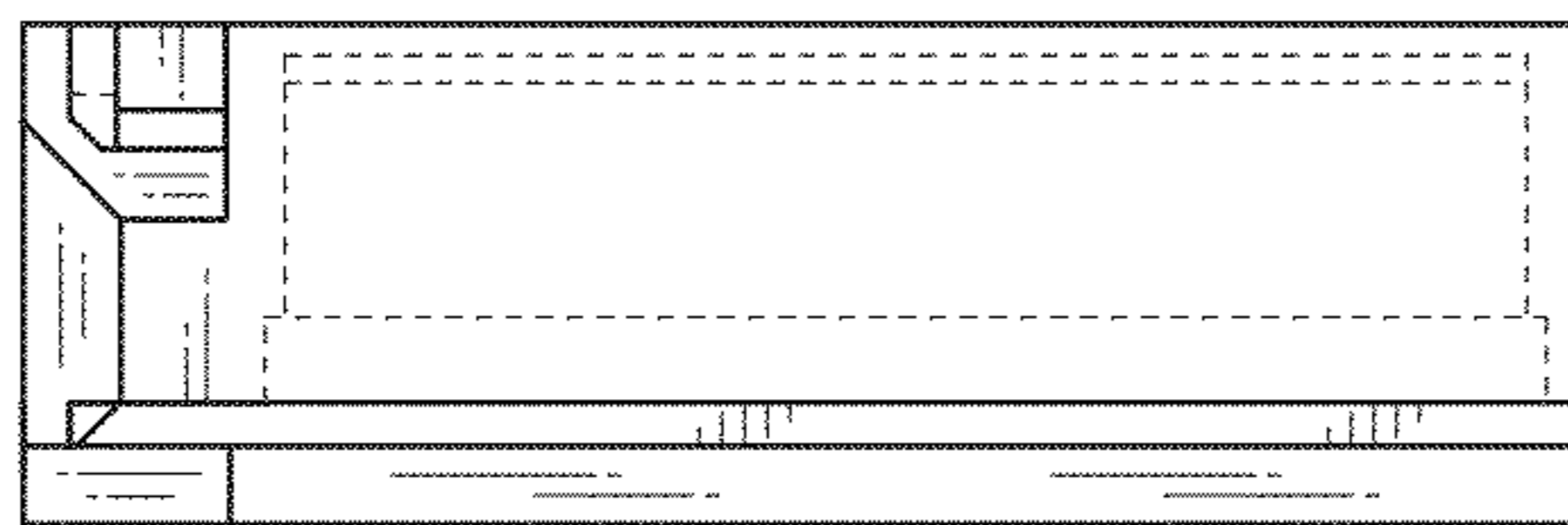


Fig. 4

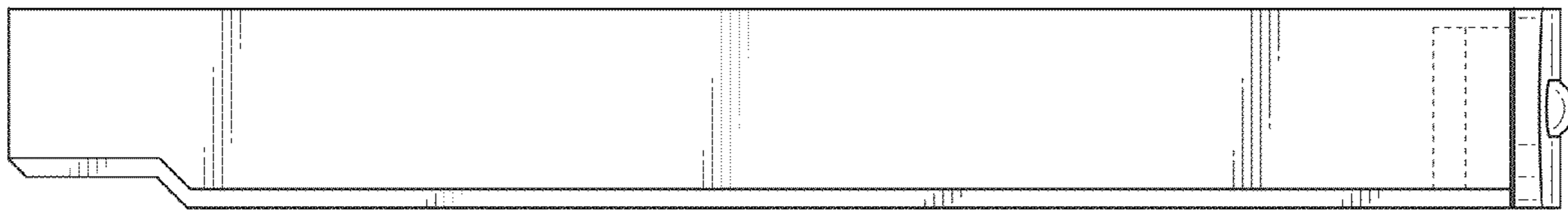


Fig. 5



Fig. 6

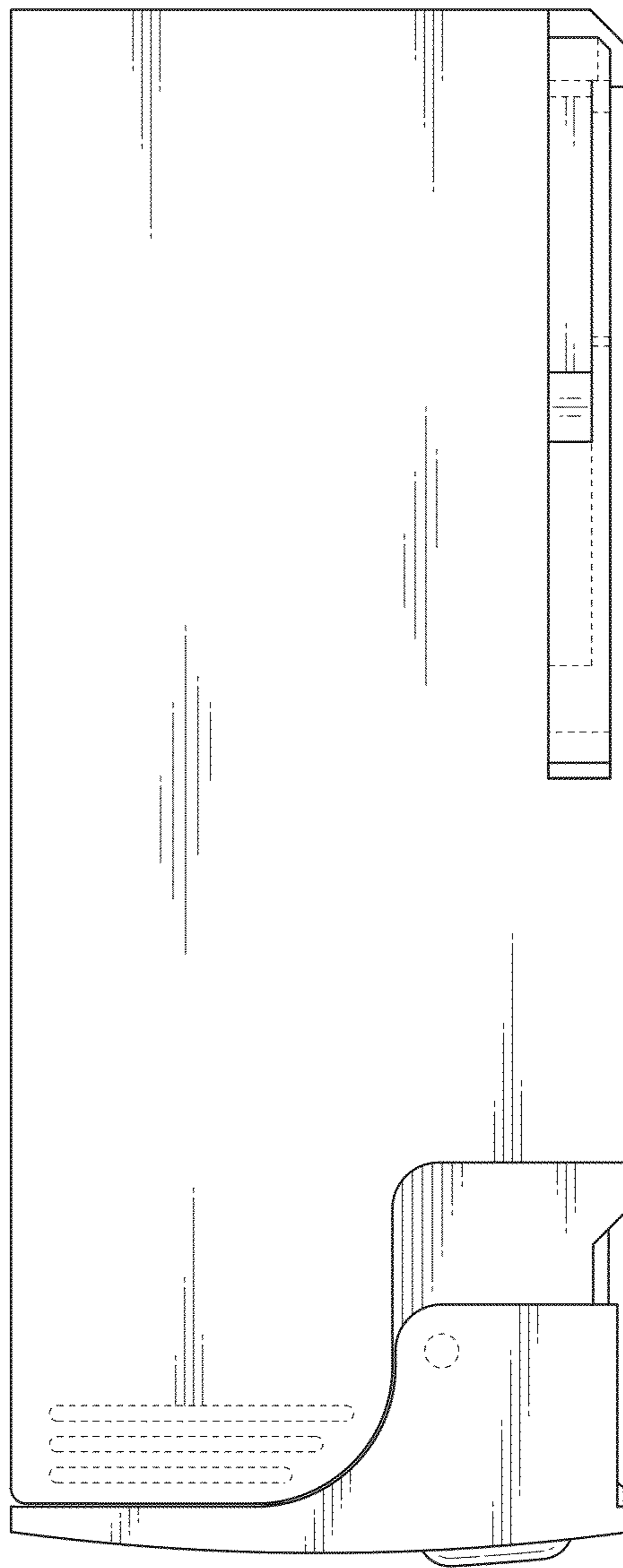


Fig. 7

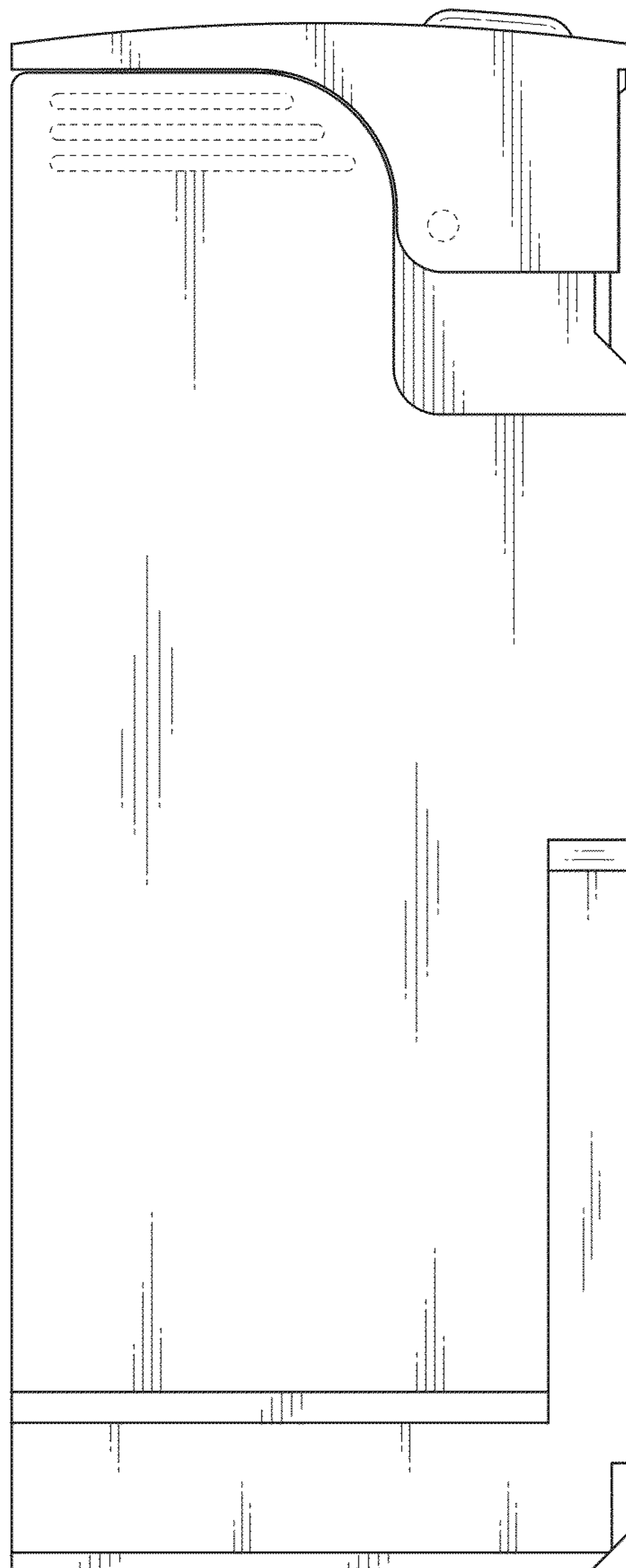


Fig. 8

