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(12) **United States Design Patent**
Yayoshi

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(54) **ELECTRICAL CONNECTOR**

D598,863 S 8/2009 Hoshino
D684,932 S * 6/2013 Nishimura D13/147
D695,692 S 12/2013 Takenaga
(Continued)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** **13-03**

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

(58) **Field of Classification Search**
USPC D13/118, 120, 123, 133, 146, 147, 149,
D13/154, 173, 184, 199; D14/432, 433,
D14/435, 435.1, 436, 437, 438
CPC H01R 12/00; H01R 12/50; H01R 12/52;
H01R 12/57; H01R 12/62; H01R 12/65;
H01R 12/70; H01R 12/71; H01R 12/73;
H01R 13/02; H01R 13/04; H01R 13/52;
H01R 13/62; H01R 13/627; H01R 13/65;
H01R 24/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D539,225 S 3/2007 Kishi
D540,263 S * 4/2007 Kishi D13/147
D578,481 S * 10/2008 Lee D13/147
D582,858 S 12/2008 Hoshino

OTHER PUBLICATIONS

Office Action for U.S. Appl. No. 29/595,833, dated Apr. 5, 2018,
12pg.

(Continued)

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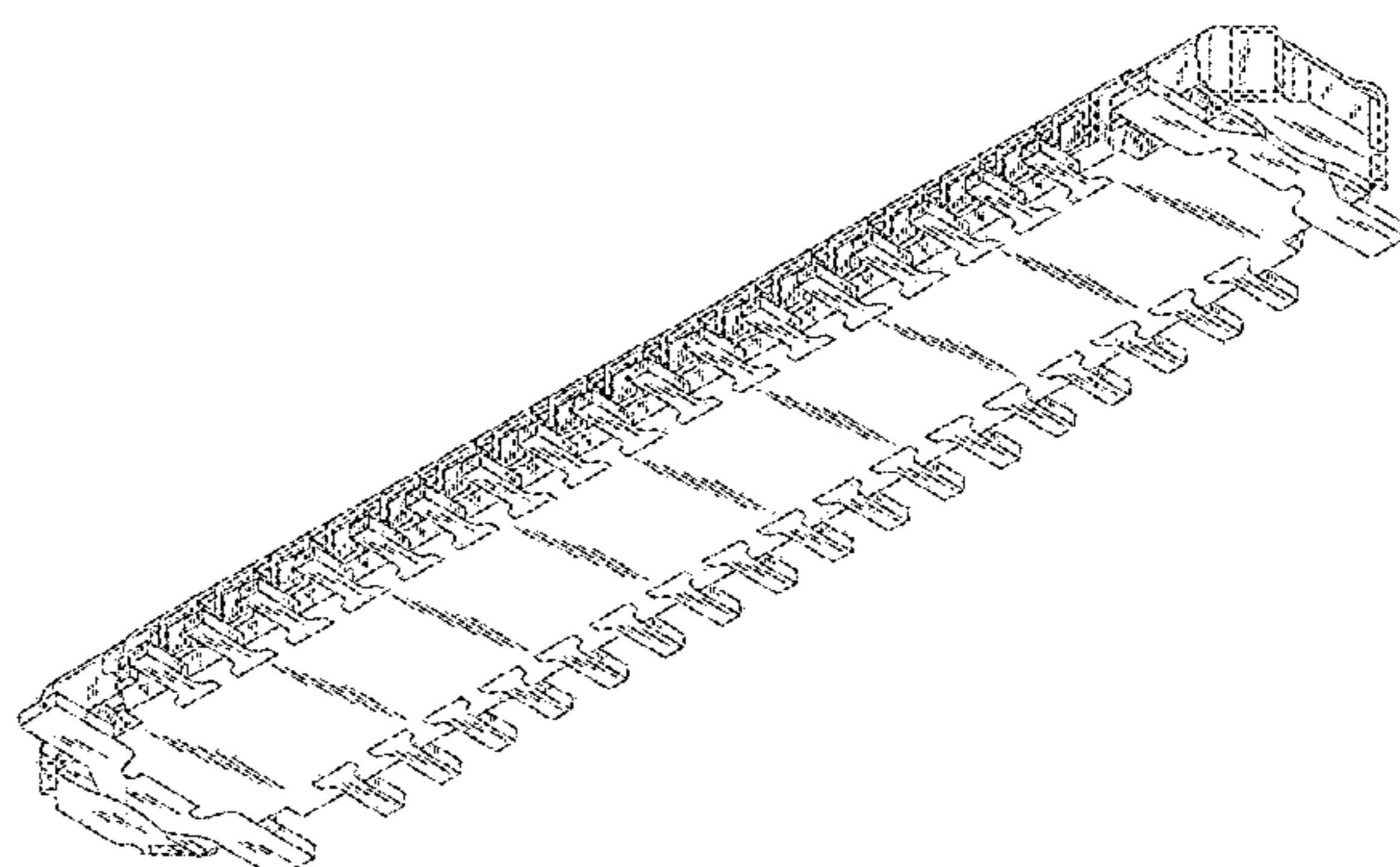
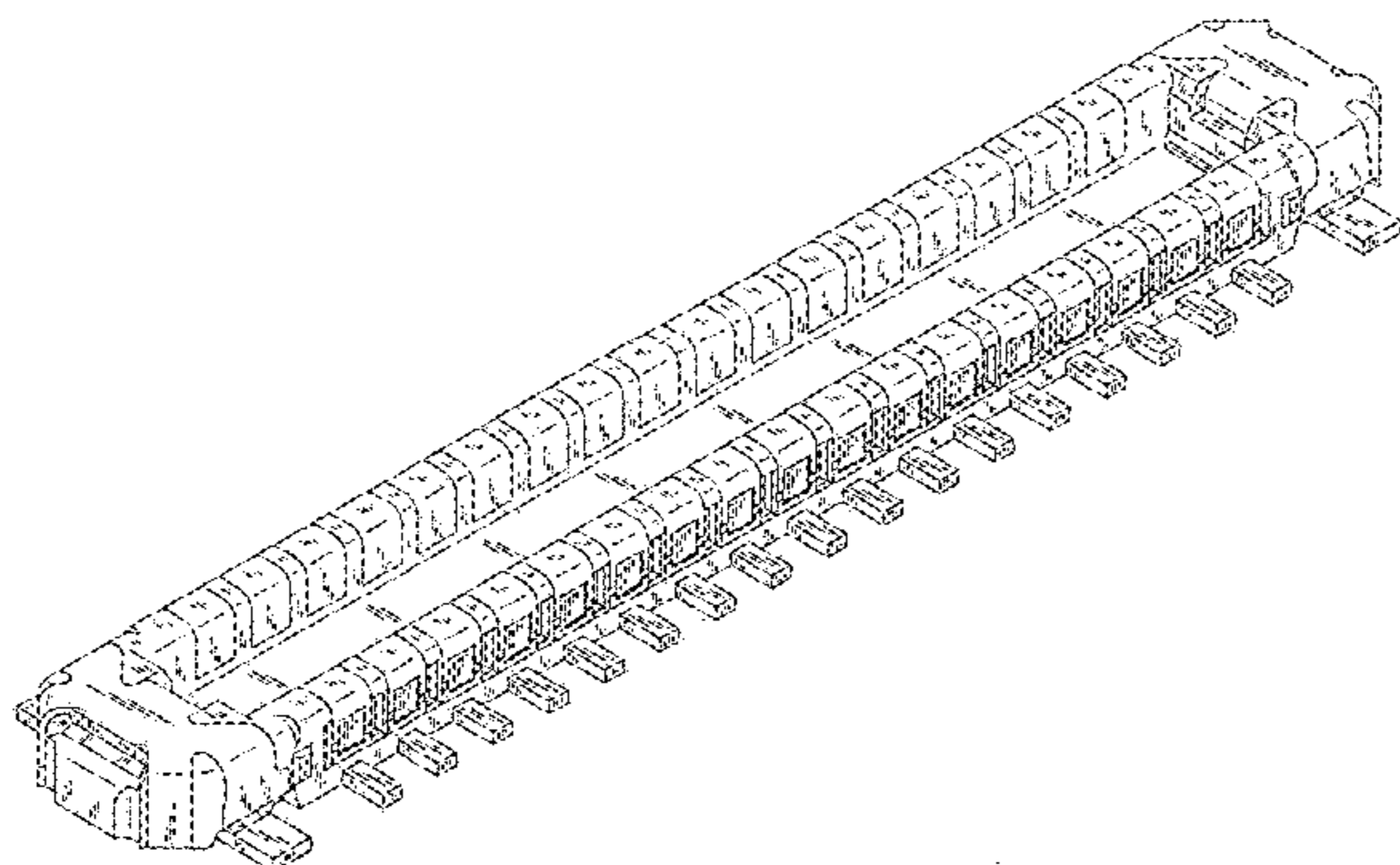
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front elevational view of an electrical connector;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a tight side elevational view thereof;
FIG. 6 is a left side elevational view thereof;
FIG. 7 is a front, top, and left side perspective view thereof;
FIG. 8 is a front, bottom, and right side perspective view
thereof;
FIG. 9 is an enlarged cross-sectional view along the line 9-9
in FIG. 1;
FIG. 10 is a cross-sectional view along the line 10-10 in FIG.
1;
FIG. 11 is a cross-sectional view along the line 11-11 in FIG.
3; and,
FIG. 12 is an enlarged view showing a portion of FIG. 11
defined by line 12-12.
The broken lines in the drawings illustrate subject matter
that forms no part of the claimed design.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D722,974 S 2/2015 Ueda
 D723,471 S 3/2015 Miyazaki
 D735,674 S 8/2015 Miyazaki
 D739,825 S 9/2015 Omodachi
 D774,462 S * 12/2016 Omodachi D13/147
 D795,813 S 8/2017 Goto
 D797,677 S 9/2017 Ozeki
 D811,344 S 2/2018 Ozeki
 9,887,473 B2 * 2/2018 Lee H01R 12/716
 2006/0264074 A1 * 11/2006 Chang H01R 12/57
 439/74
 2008/0268711 A1 10/2008 Miyazaki
 2009/0221156 A1 * 9/2009 Lee H01R 13/428
 439/66
 2010/0221928 A1 9/2010 Sato
 2013/0012074 A1 * 1/2013 Mashiyama H01R 12/73
 439/660
 2013/0137304 A1 5/2013 Huang
 2013/0137307 A1 5/2013 Huang

2013/0137308 A1 5/2013 Chiang
 2015/0079818 A1 3/2015 Ozeki
 2015/0079853 A1 3/2015 Tsai
 2015/0140841 A1 * 5/2015 Watanabe H01R 12/7011
 439/74
 2015/0207248 A1 7/2015 Takenaga
 2015/0214643 A1 * 7/2015 Lee H01R 12/7029
 439/655
 2015/0270641 A1 9/2015 Omodachi
 2015/0380845 A1 12/2015 Goto
 2016/0141783 A1 * 5/2016 Hirakawa H01R 12/7076
 439/66
 2016/0268715 A1 * 9/2016 Kodaira H01R 12/716
 2017/0271813 A1 9/2017 Ge
 2018/0069331 A1 * 3/2018 Hirakawa H01R 12/716

OTHER PUBLICATIONS

Office Action for U.S. Appl. No. 29/595,823, dated Mar. 29, 2018, 8p.

* cited by examiner

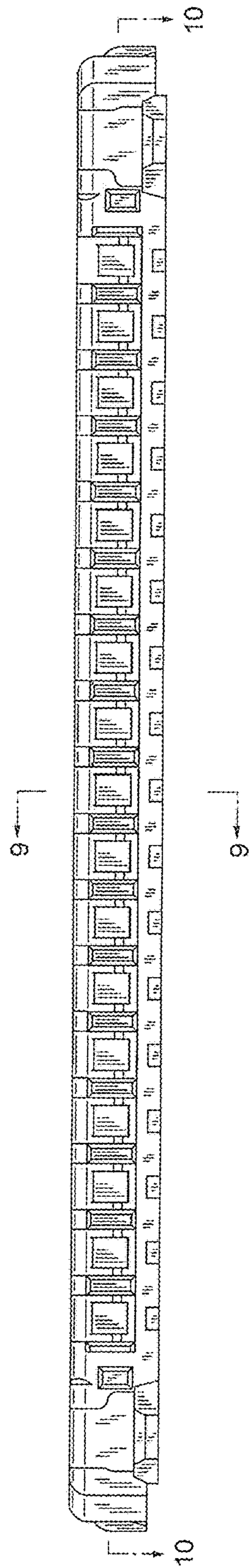


FIG. 1

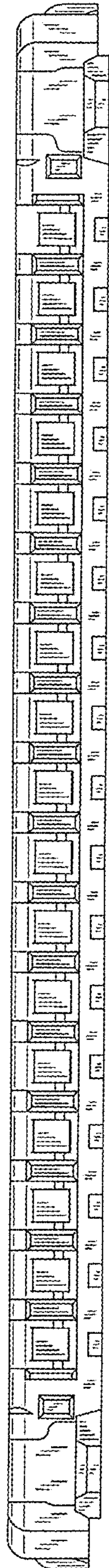


FIG. 2

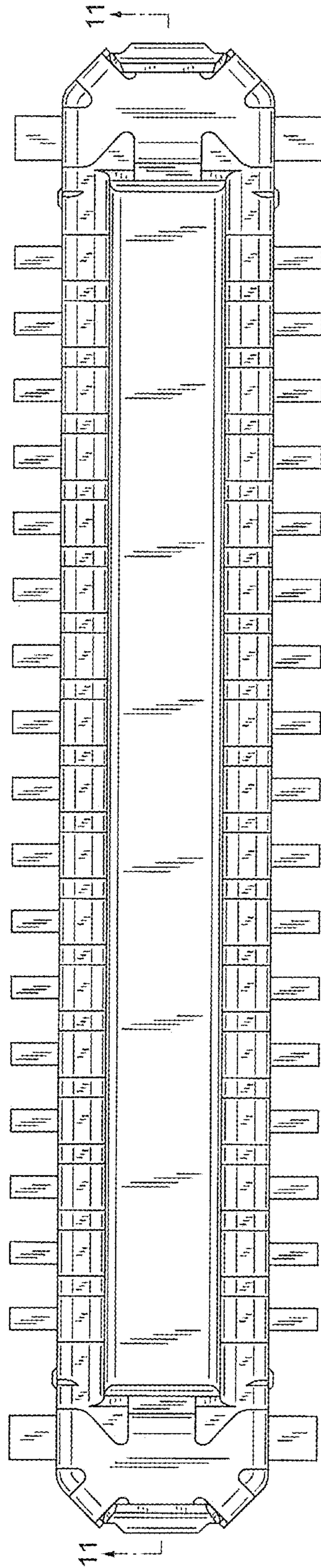


FIG. 3

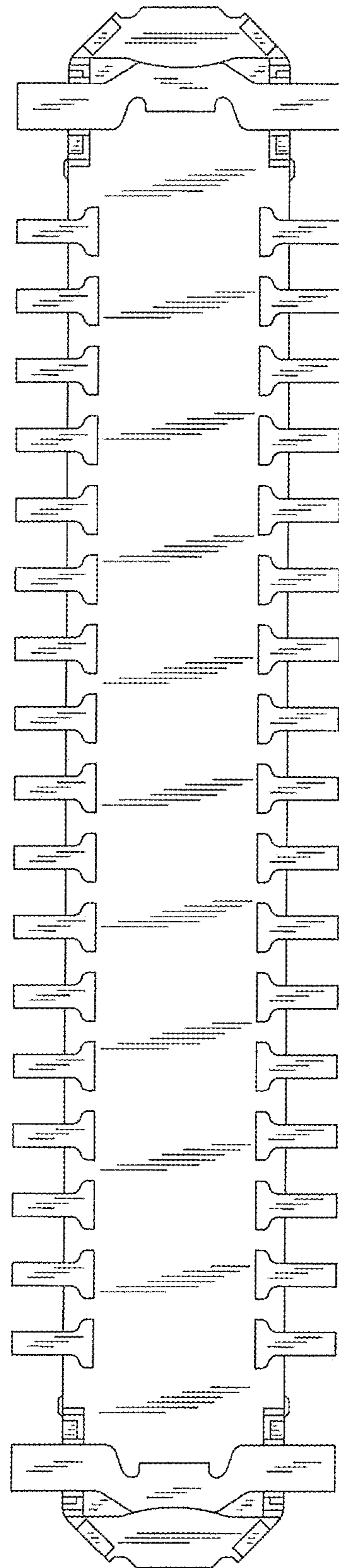


FIG. 4

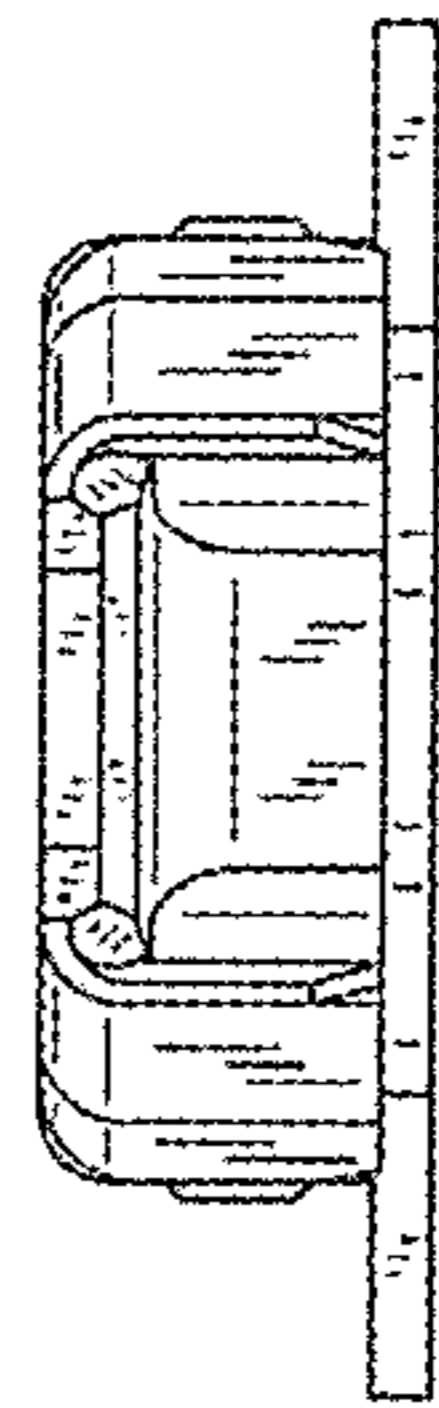


FIG. 5

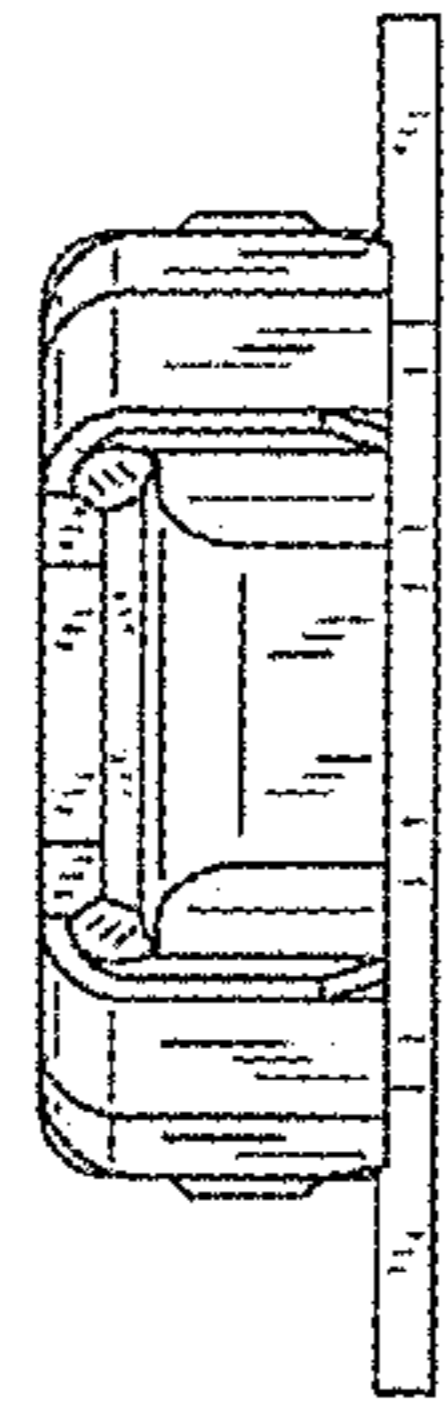


FIG. 6

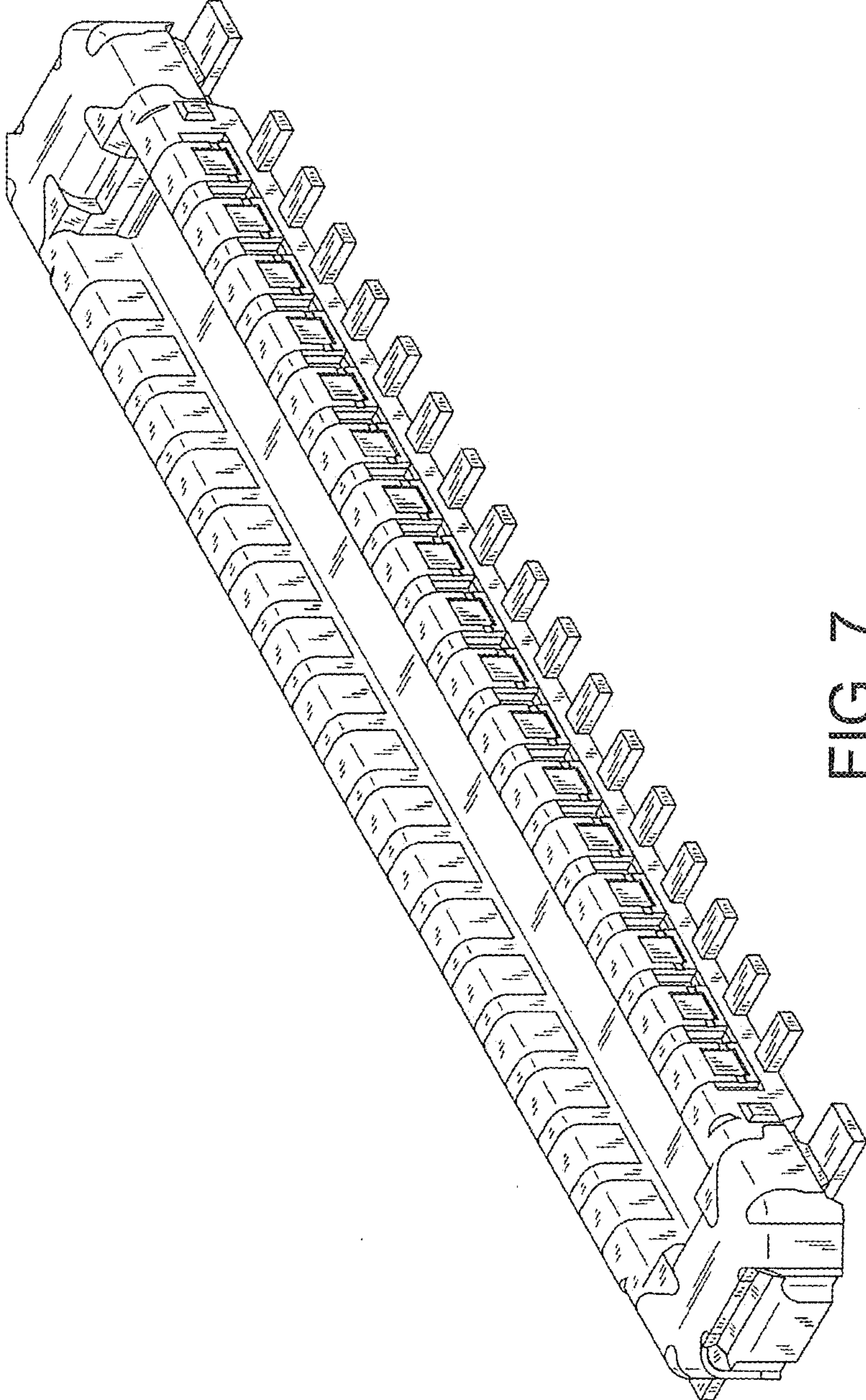


FIG. 7

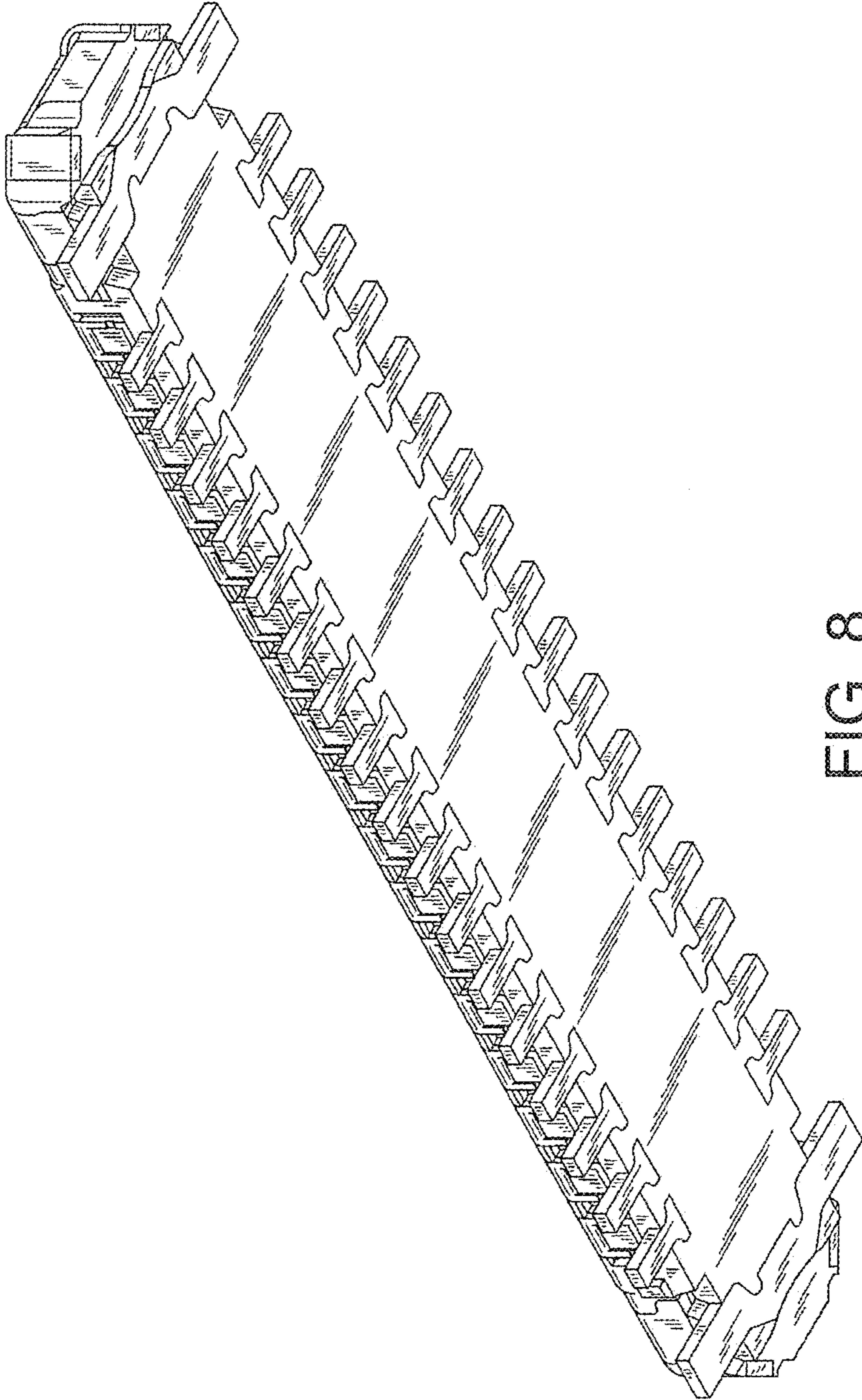


FIG. 8

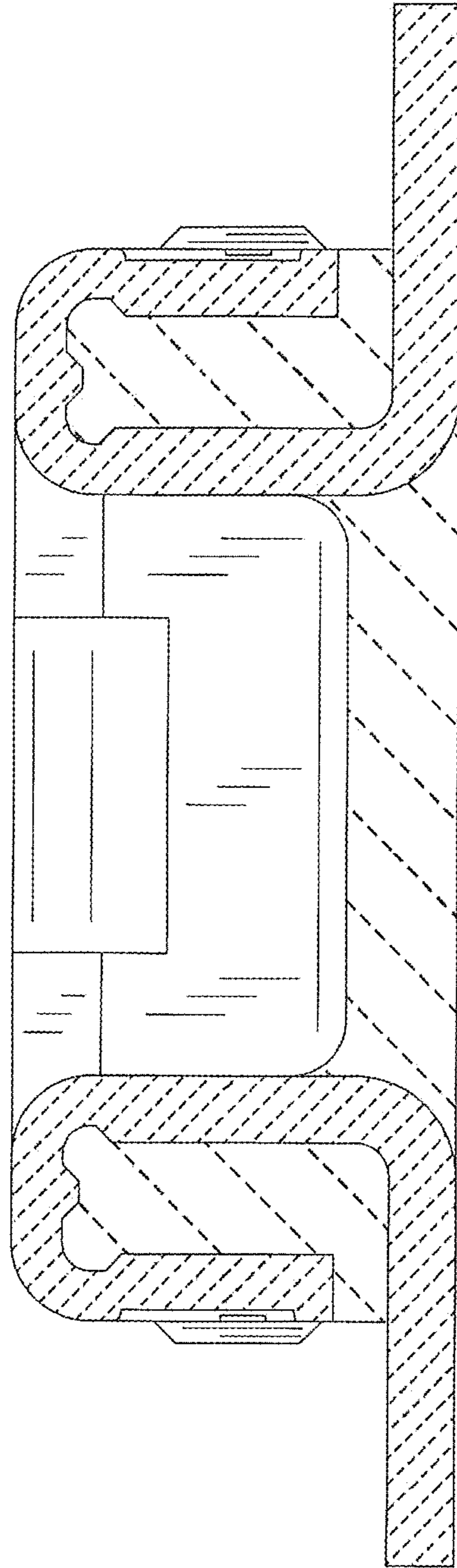


FIG. 9

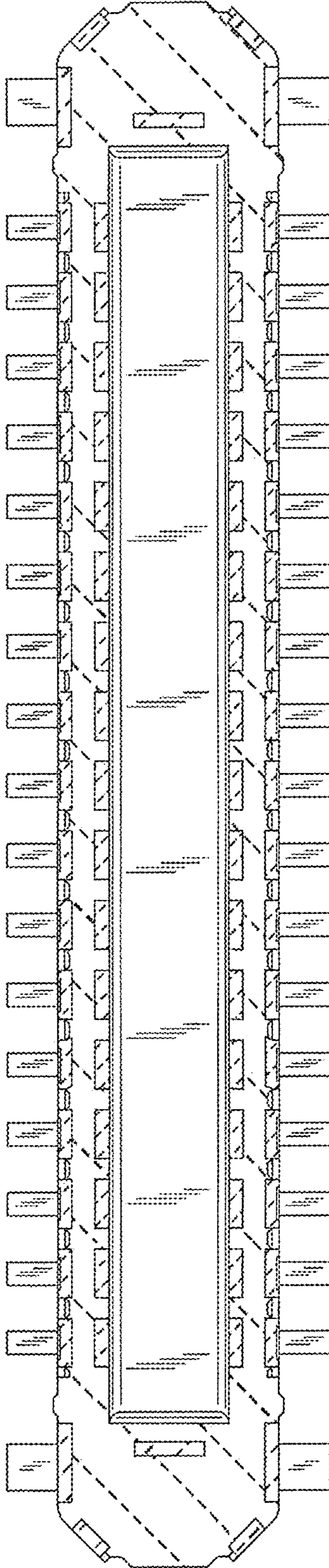


FIG. 10

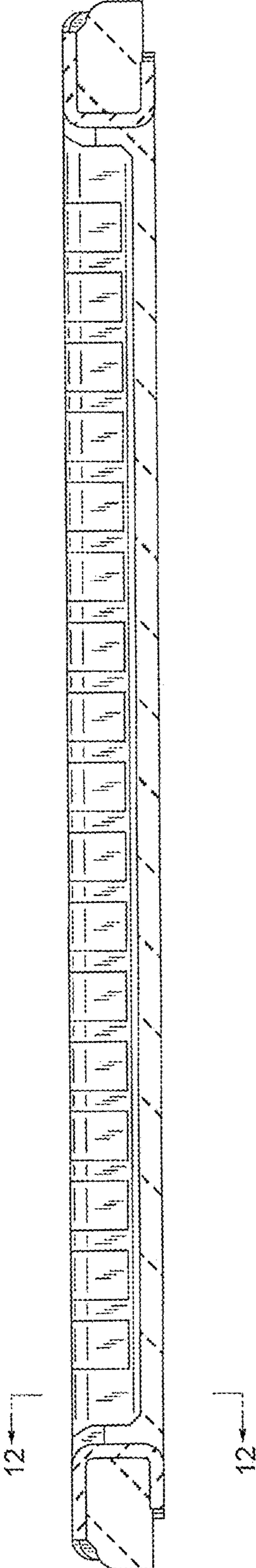


FIG. 11

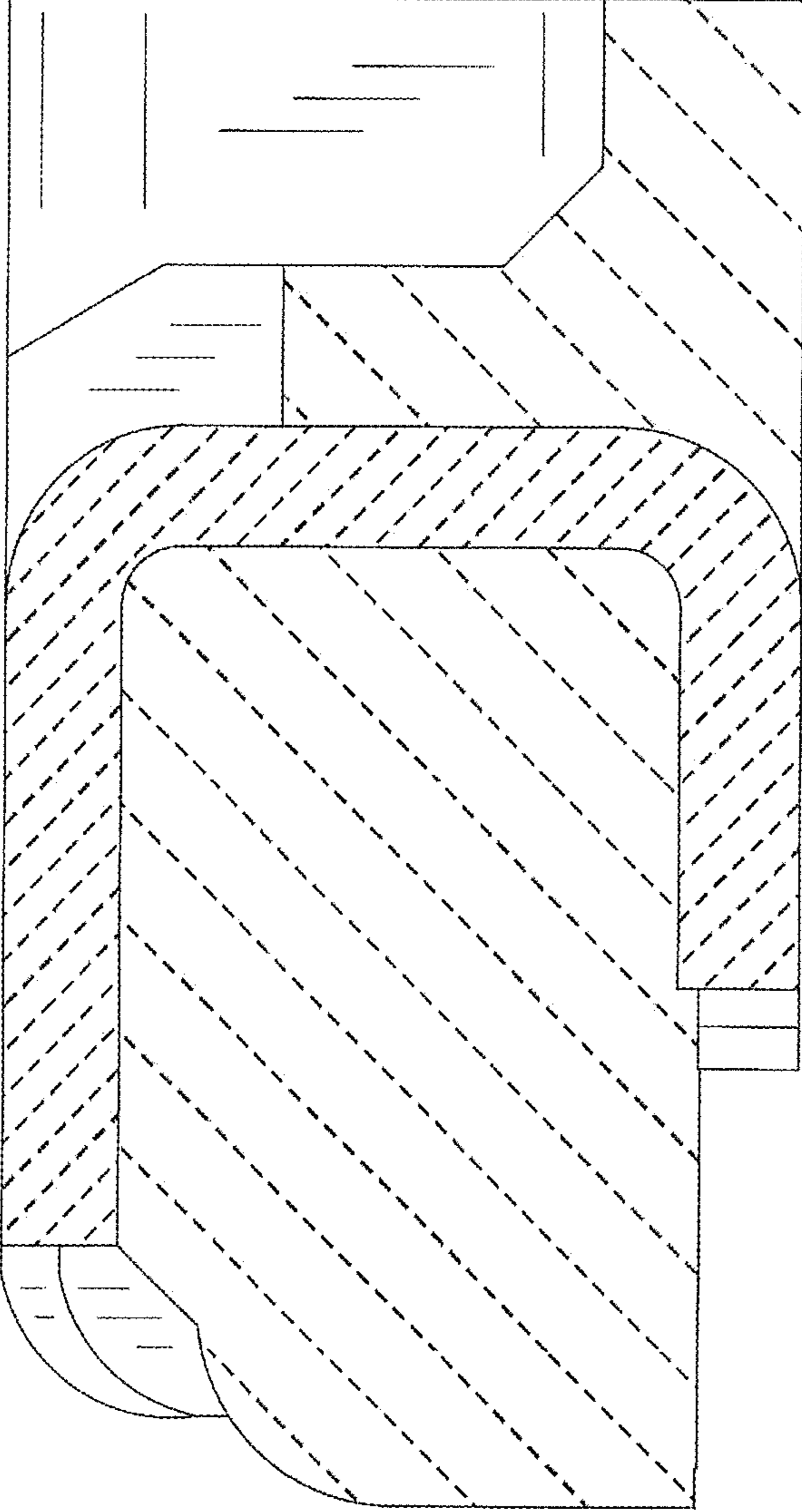


FIG. 12