



US00D757660S

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

(10) **Patent No.:** **US D757,660 S**

(45) **Date of Patent:** **** May 31, 2016**

(54) **MOUNTING DEVICE FOR A PROGRAMMABLE LOGIC CONTROLLER**

(71) Applicant: **SIEMENS AKTIENGESELLSCHAFT**, Munich (DE)

(72) Inventor: **Ulrich Ringer**, Amberg (DE)

(73) Assignee: **Siemens Aktiengesellschaft**, Munich (DE)

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

(21) Appl. No.: **29/501,986**

(22) Filed: **Sep. 10, 2014**

Related U.S. Application Data

(62) Division of application No. 29/424,798, filed on Jun. 15, 2012, now Pat. No. Des. 733,665.

(30) **Foreign Application Priority Data**

Dec. 16, 2011 (EM) 001306500

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

(52) **U.S. Cl.**
USPC **D13/162.1**; D13/199

(58) **Field of Classification Search**
USPC D13/162, 162.1, 173, 178, 199
CPC G05B 19/05; G06F 3/147; G06F 11/3636;
H05K 7/1432; H05K 7/1467; H05K 7/1468;
H05K 7/1471; H05K 7/1474; H05K 7/1478;
H05K 7/1481; H02B 1/04; H02B 1/052;
H02B 1/0523; H01R 9/2608

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,529,088 A * 6/1996 Asou F15B 13/0825
137/271
5,694,288 A * 12/1997 Shortt H02B 1/052
200/294

5,984,734 A * 11/1999 Piper H01R 29/00
439/715
6,008,985 A * 12/1999 Lake G05B 19/0423
361/679.32
6,172,875 B1 * 1/2001 Suzuki G06F 1/183
361/679.4
6,425,770 B1 * 7/2002 Lostoski H01R 9/26
361/759
6,456,495 B1 * 9/2002 Wieloch H05K 7/1468
312/215
7,042,731 B2 * 5/2006 Schneeberger H02B 1/052
312/223.1
8,647,158 B2 * 2/2014 Kawabata H01R 9/2608
439/716
9,088,138 B2 * 7/2015 Yu H02B 1/0526
9,136,648 B2 * 9/2015 Molnar H01R 13/648
D743,913 S * 11/2015 Ringer D13/162
D745,470 S * 12/2015 Ringer D13/162
2002/0182902 A1 * 12/2002 Lostoski H01R 9/26
439/76.1
2003/0167631 A1 * 9/2003 Hallenbeck H05K 7/1484
29/835
2005/0231931 A1 * 10/2005 Bergmann H05K 5/061
361/810
2012/0129368 A1 * 5/2012 Donhauser H01R 13/516
439/137
2012/0220144 A1 * 8/2012 Parrish H02B 1/052
439/94
2014/0118958 A1 * 5/2014 Hamada H05K 7/1474
361/728
2014/0156029 A1 * 6/2014 Godau H01R 9/2458
700/19

* cited by examiner

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Cozen O'Connor

(57) **CLAIM**

The ornamental design for a mounting device for a programmable logic controller, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a mounting device for a programmable logic controller showing my new design; FIG. 2 is a rear elevational view of the IM; FIG. 3 is a top plan view of the IM; FIG. 4 is a bottom plan view of the IM; FIG. 5 is a right-side elevation view of the IM; FIG. 6 is left-side elevation view of the IM; and, FIG. 7 is a perspective view of the IM.

1 Claim, 7 Drawing Sheets

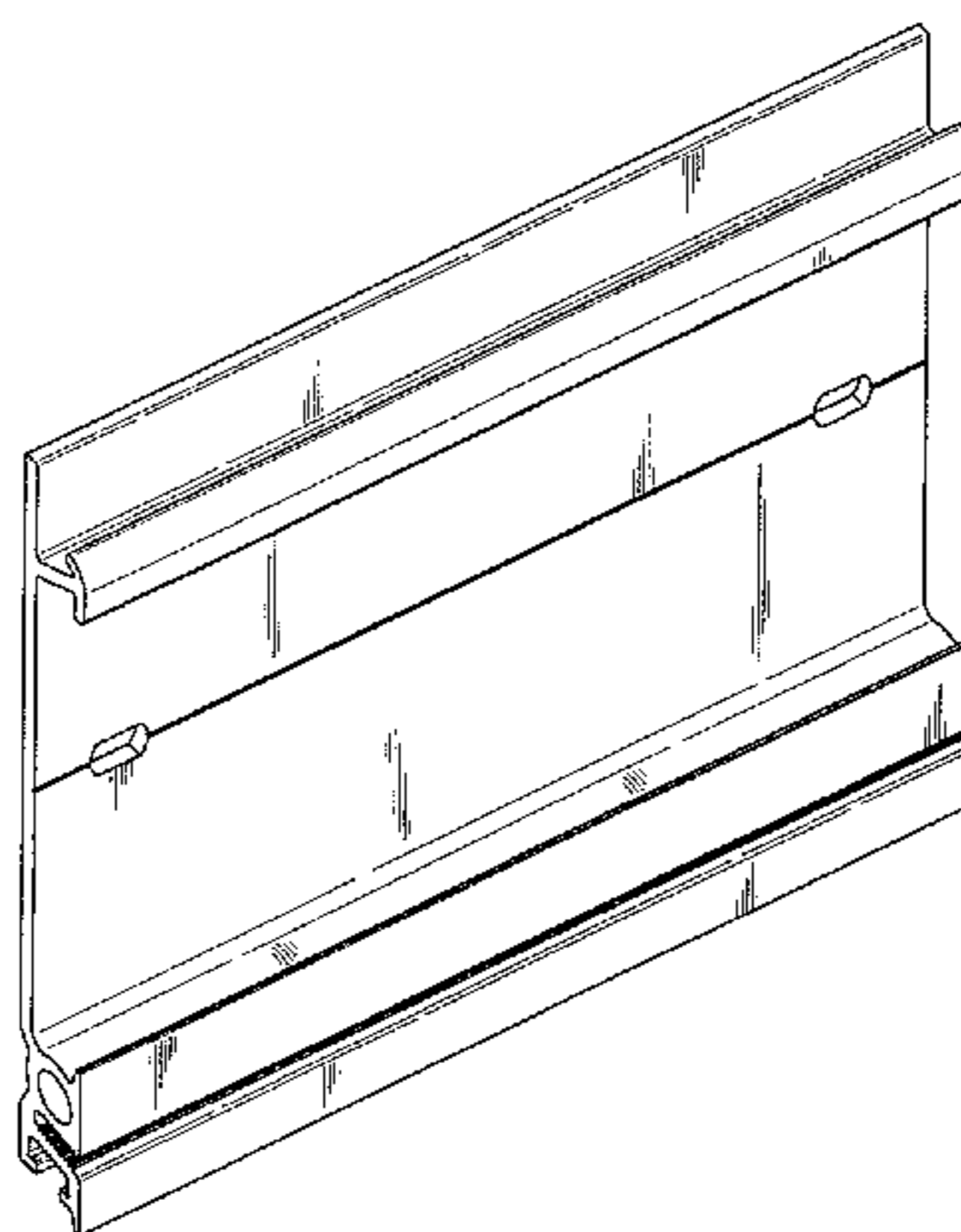


FIG 1

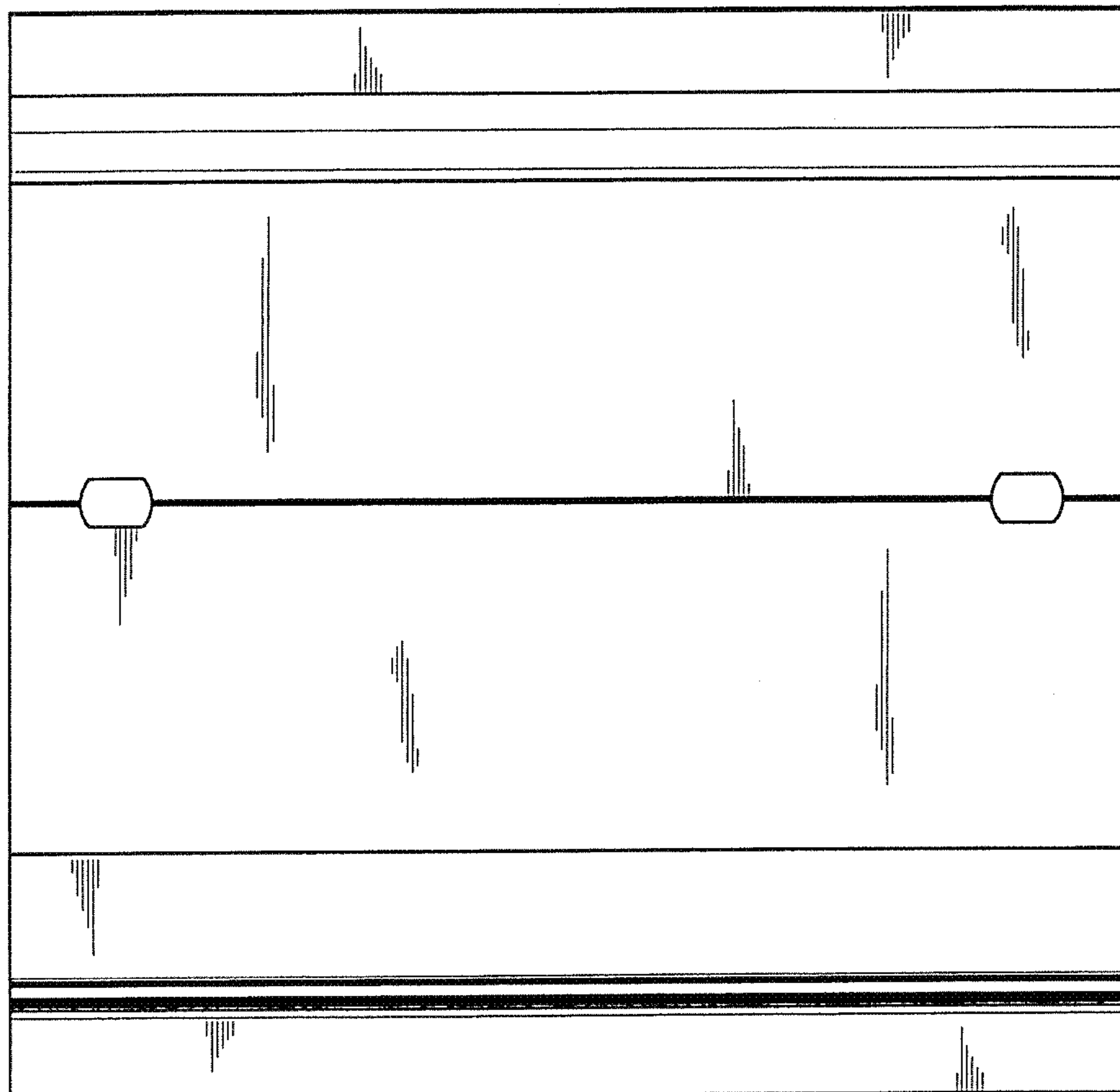


FIG 2

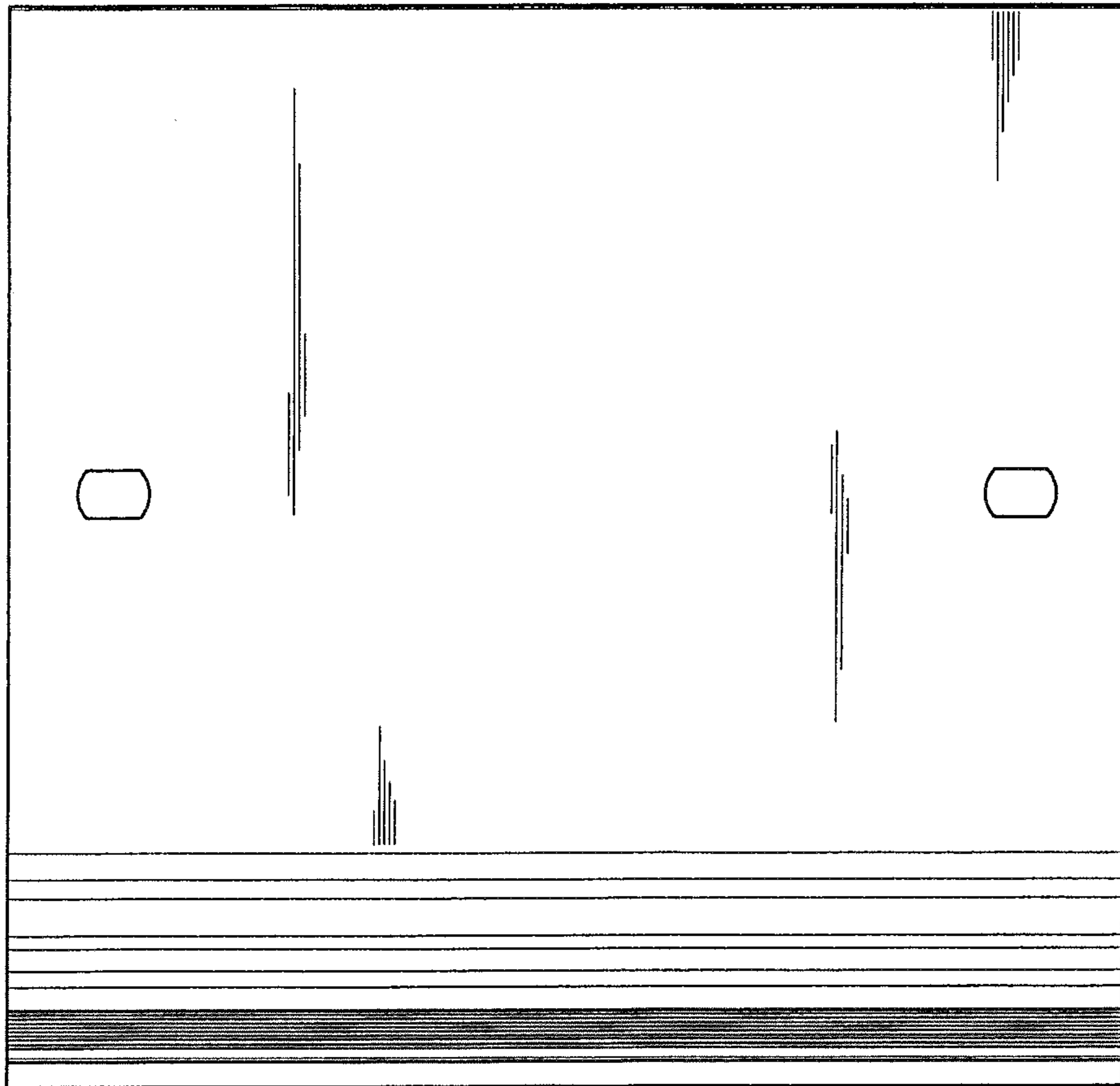


FIG 3

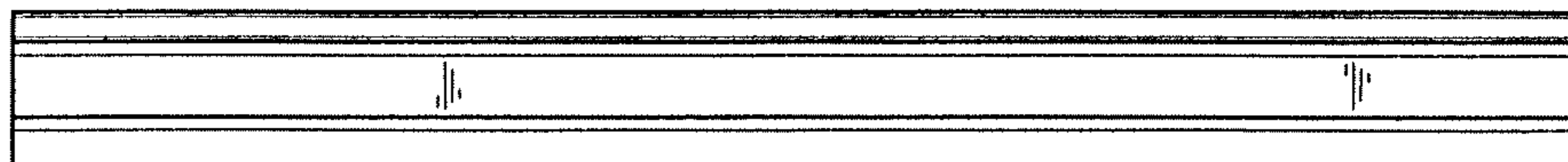


FIG 4

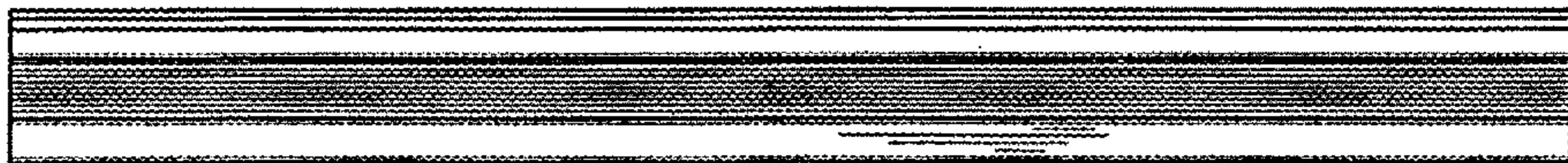


FIG 5

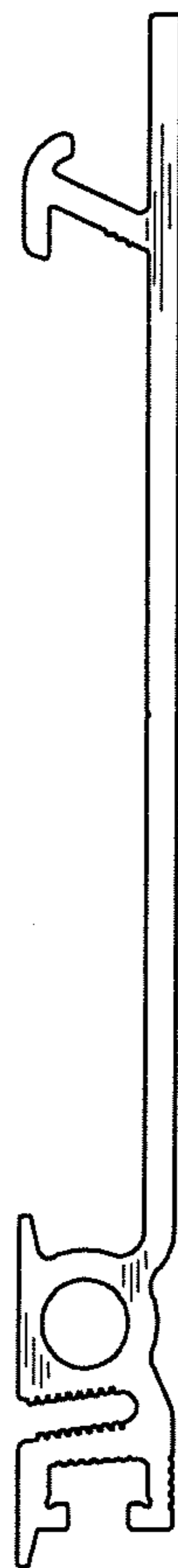


FIG 6

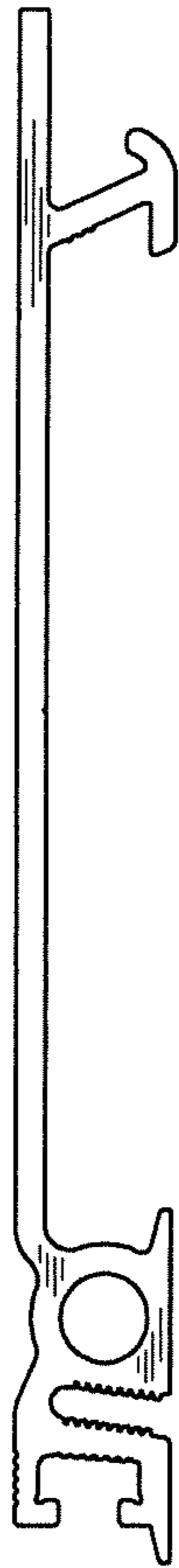


FIG 7

