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

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(54) **LINEAR ACTUATOR**

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

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(30) **Foreign Application Priority Data**

Dec. 30, 2016 (CN) 2016 3 0659833

(51) **LOC (11) Cl.** **15-03**

(52) **U.S. Cl.**
USPC **D15/148**

(58) **Field of Classification Search**
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CPC F15B 11/076; F15B 11/0413; F15B 15/24;
F15B 11/065; F15B 15/149; F15B
15/1433

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D597,111 S * 7/2009 Takeuchi D15/143
D597,112 S * 7/2009 Takeuchi D15/143

D660,333 S * 5/2012 Takeuchi D15/143
D674,423 S * 1/2013 Mangold D15/143
D792,916 S * 7/2017 Kobayashi D15/148
D810,164 S * 2/2018 Lin D15/148
D810,798 S * 2/2018 Tabuchi D15/148
D816,137 S * 4/2018 Chiaravalloti D15/148
D819,100 S * 5/2018 Lin D15/148
D819,101 S * 5/2018 Ishikawa D15/148
D819,710 S * 6/2018 Ishikawa D15/148
2010/0064834 A1 * 3/2010 Takeuchi F15B 15/065
74/422

* cited by examiner

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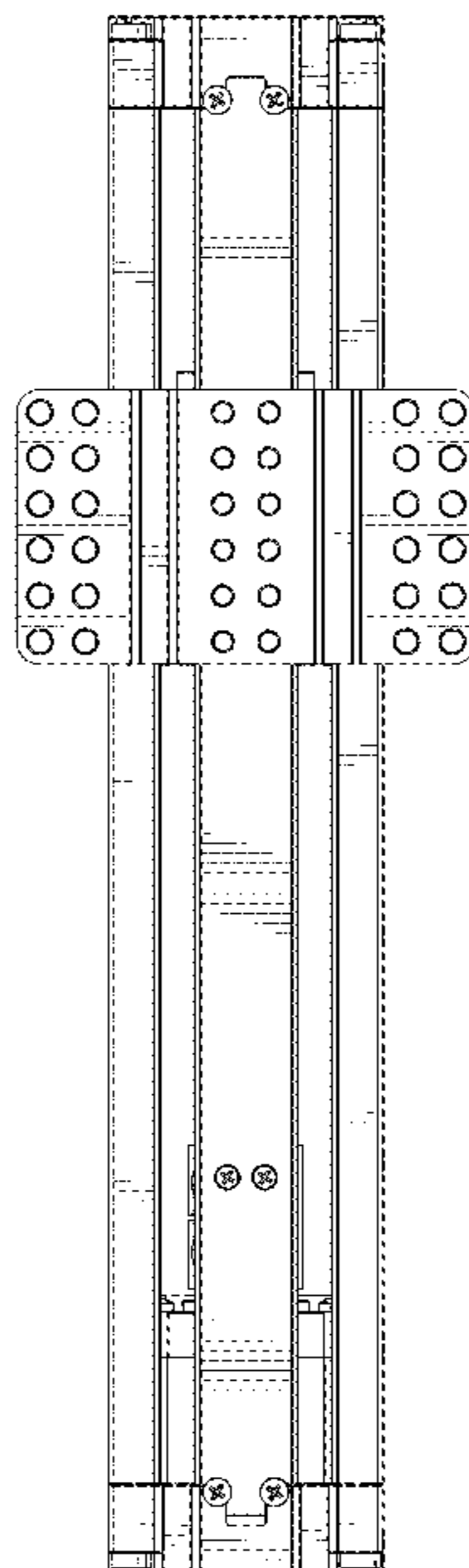
(57) **CLAIM**

The ornamental designs for a “linear actuator,” as shown and described.

DESCRIPTION

FIG. 1 is a front view of the linear actuator;
FIG. 2 is a rear view of the linear actuator;
FIG. 3 is a left side view of the linear actuator;
FIG. 4 is a right side view of the linear actuator;
FIG. 5 is a top view of the linear actuator;
FIG. 6 is a bottom view of the linear actuator; and,
FIG. 7 is a perspective view of the linear actuator.
The broken lines in the drawings depict portions of the linear actuator that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



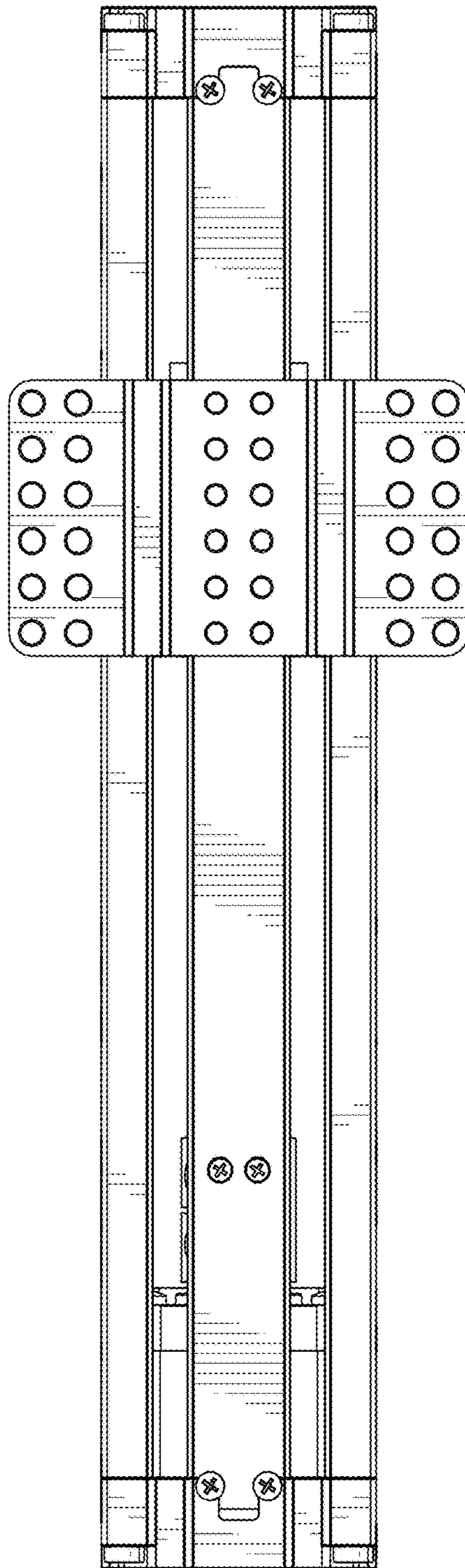


Figure 1

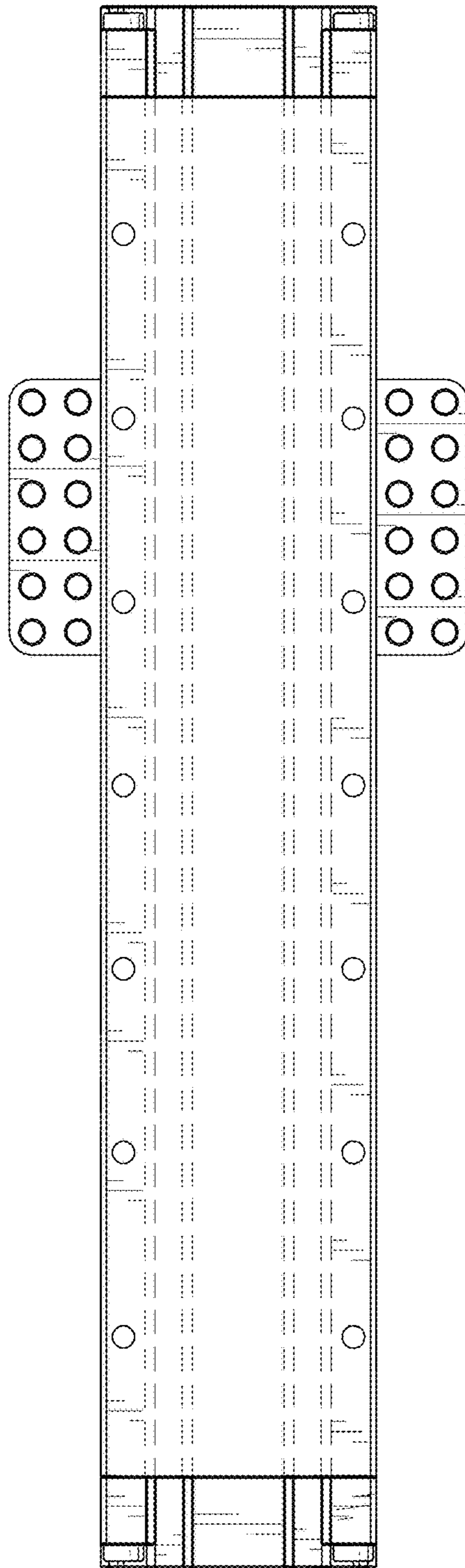


Figure 2

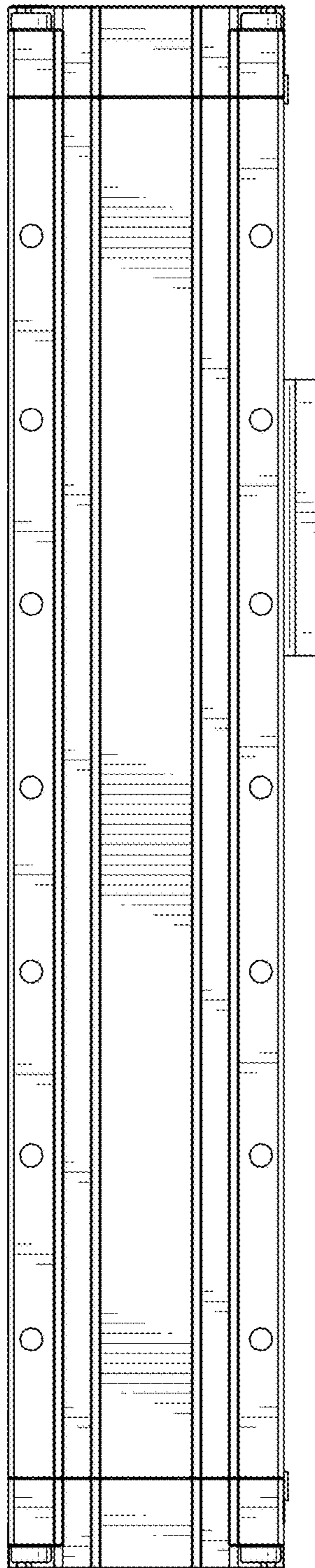


Figure 3

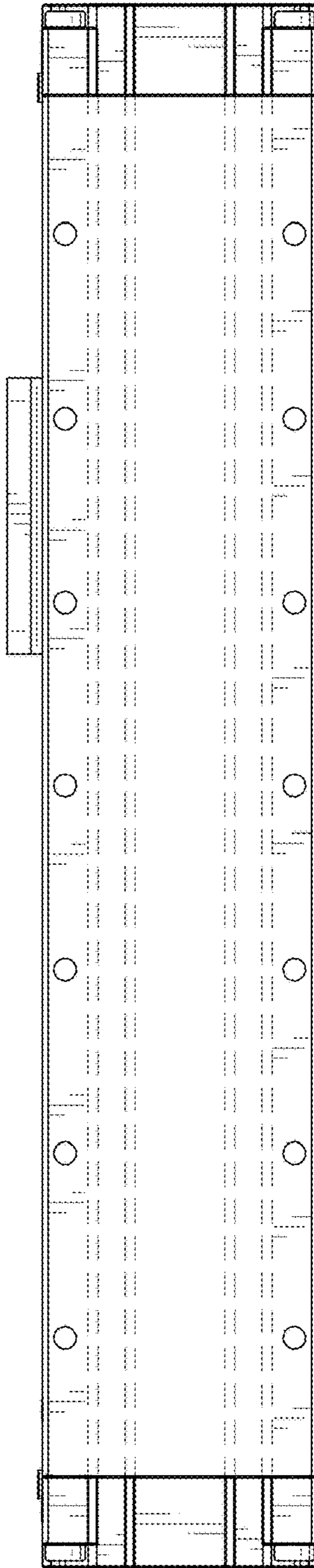


Figure 4

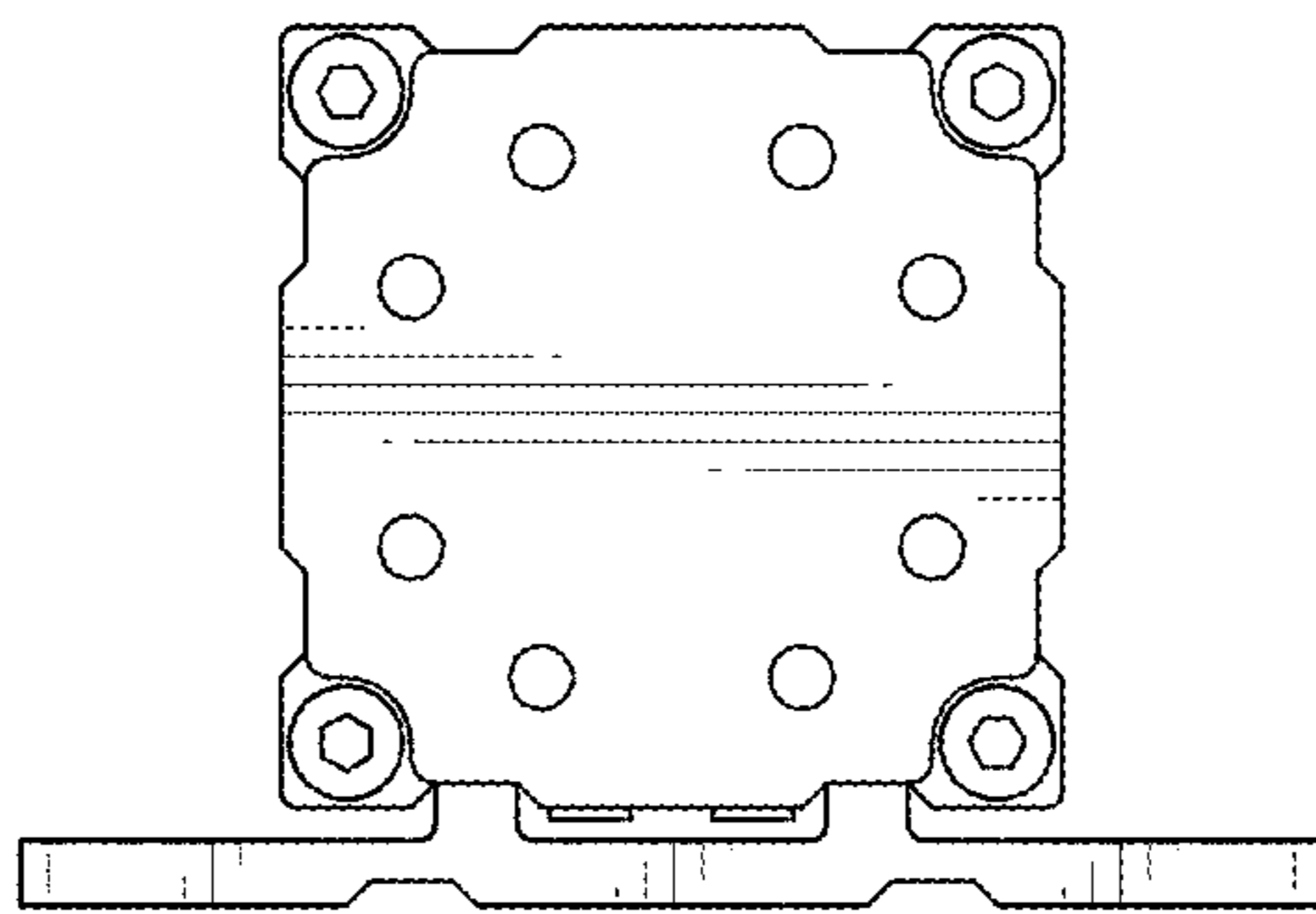


Figure 5

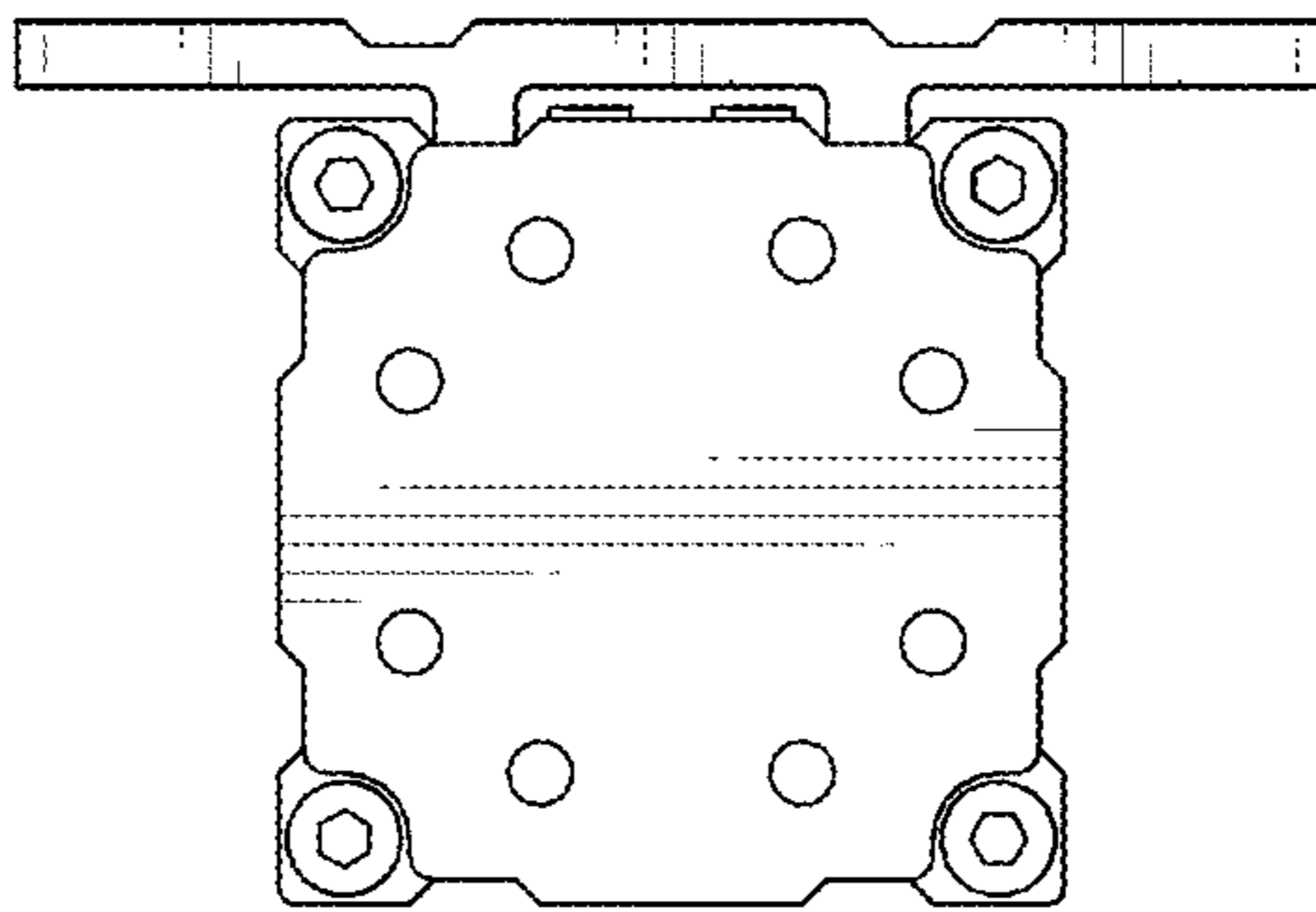


Figure 6

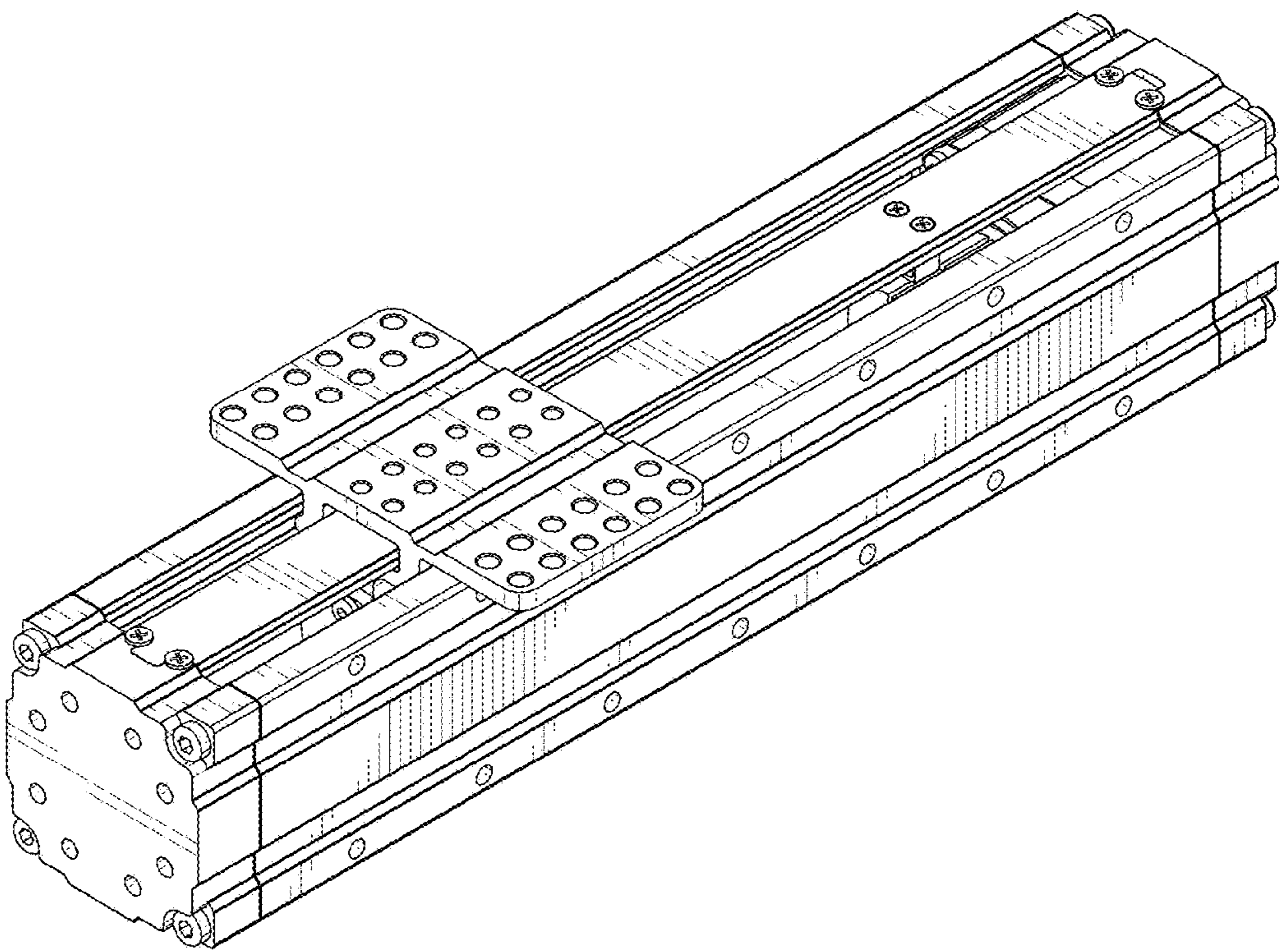


Figure 7