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**Ye et al.**

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(54) **CONTROLLER FOR ELECTRONIC EXPANSION VALVE**

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(52) **U.S. Cl.**  
USPC ..... **D13/162**

(58) **Field of Classification Search**

USPC ..... D13/110, 123, 158, 159, 162, 162.1  
CPC ..... G05B 19/00; G05B 19/02; G05B 19/04;  
G05B 19/042; G05B 19/0423; G05B 19/05;  
G05B 19/054; G05B 19/056; H05K 7/1465;  
H05K 7/1468; H05K 7/1479; H02J 13/0006; F25B 41/06;  
F25B 41/062; F16K 31/04; Y10T 137/7761

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D344,715 S \* 3/1994 Hsiao ..... D13/159  
5,610,493 A \* 3/1997 Wieloch ..... H02M 7/003  
318/801

5,615,079 A \* 3/1997 Eggert ..... H01R 9/2675  
361/601  
6,894,452 B2 \* 5/2005 Mayhew ..... G05B 19/409  
318/569  
D508,467 S \* 8/2005 Decosse ..... D13/162  
7,336,497 B2 \* 2/2008 Eusterholz ..... H01R 9/2625  
361/725  
D714,733 S \* 10/2014 Johansson ..... D13/123  
2012/0102715 A1 \* 5/2012 Chin ..... F16B 3/00  
29/525.01  
2012/0260679 A1 \* 10/2012 Huerta-Ochoa ..... F25B 41/062  
62/56  
2015/0068231 A1 \* 3/2015 Rite ..... F25B 49/02  
62/115  
2015/0362236 A1 \* 12/2015 Jiang ..... F25B 41/062  
137/12  
2016/0102897 A1 \* 4/2016 Nalini ..... F25D 29/005  
62/224

\* cited by examiner

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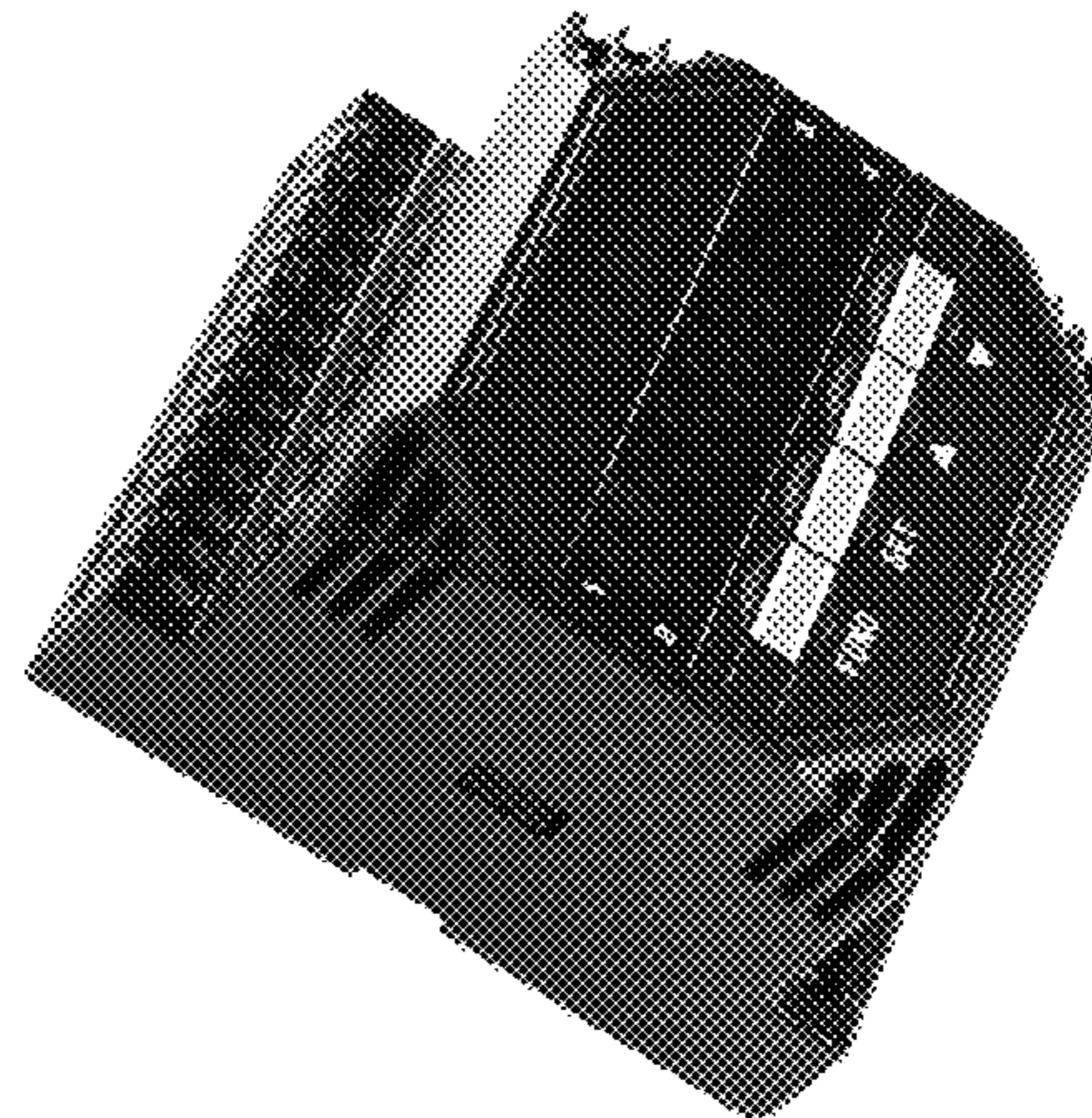
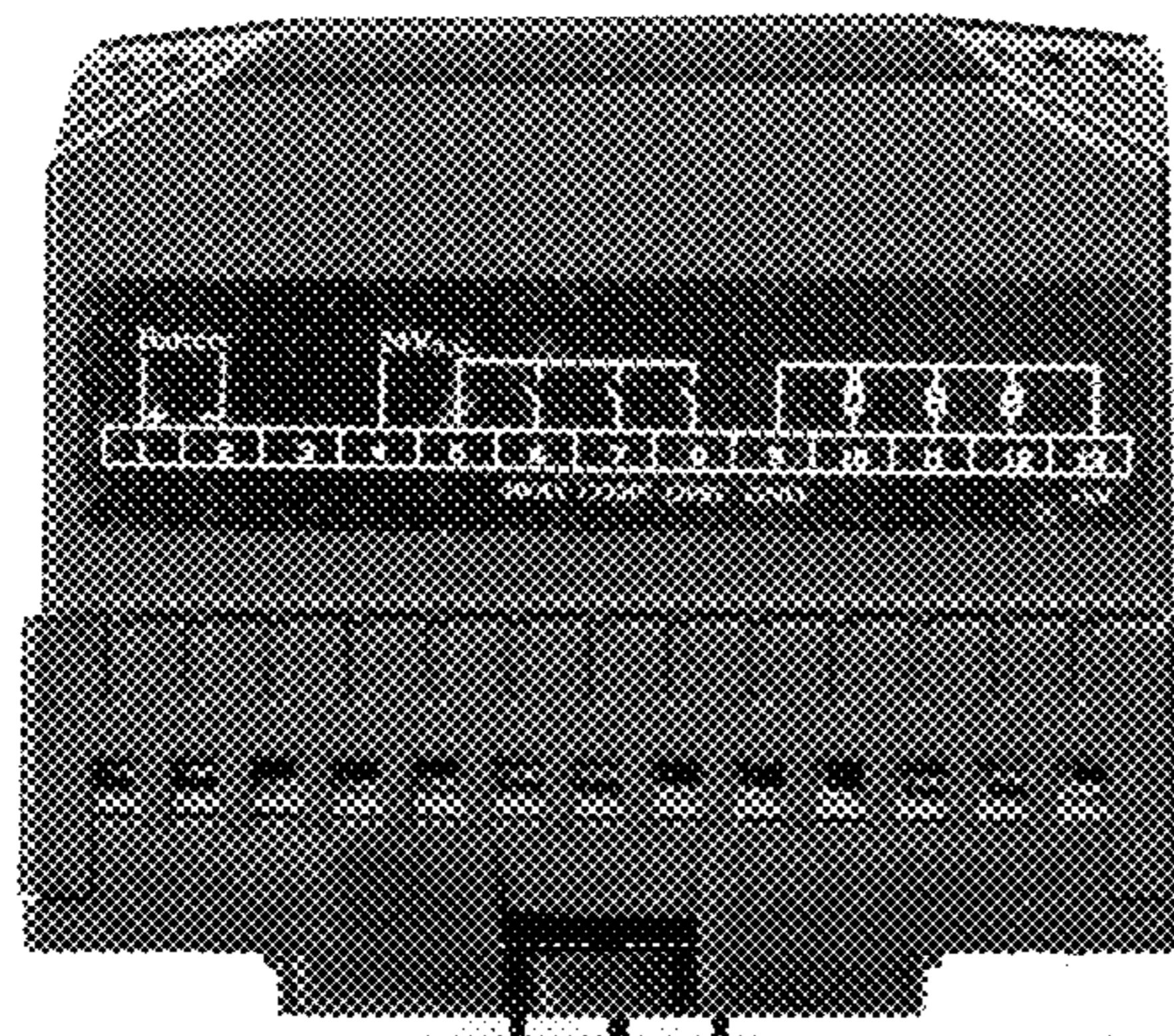
(57) **CLAIM**

The ornamental design for a controller for electronic expansion valve, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of a controller for electronic expansion valve according to the present design;  
FIG. 2 is a rear view of the controller for electronic expansion valve according to the present design;  
FIG. 3 is a left view of the controller for electronic expansion valve according to the present design;  
FIG. 4 is a right view of the controller for electronic expansion valve according to the present design;  
FIG. 5 is a top view of the controller for electronic expansion valve according to the present design;  
FIG. 6 is a bottom view of the controller for electronic expansion valve according to the present design; and,  
FIG. 7 is a perspective view of the controller for electronic expansion valve according to the present design.

**1 Claim, 7 Drawing Sheets**



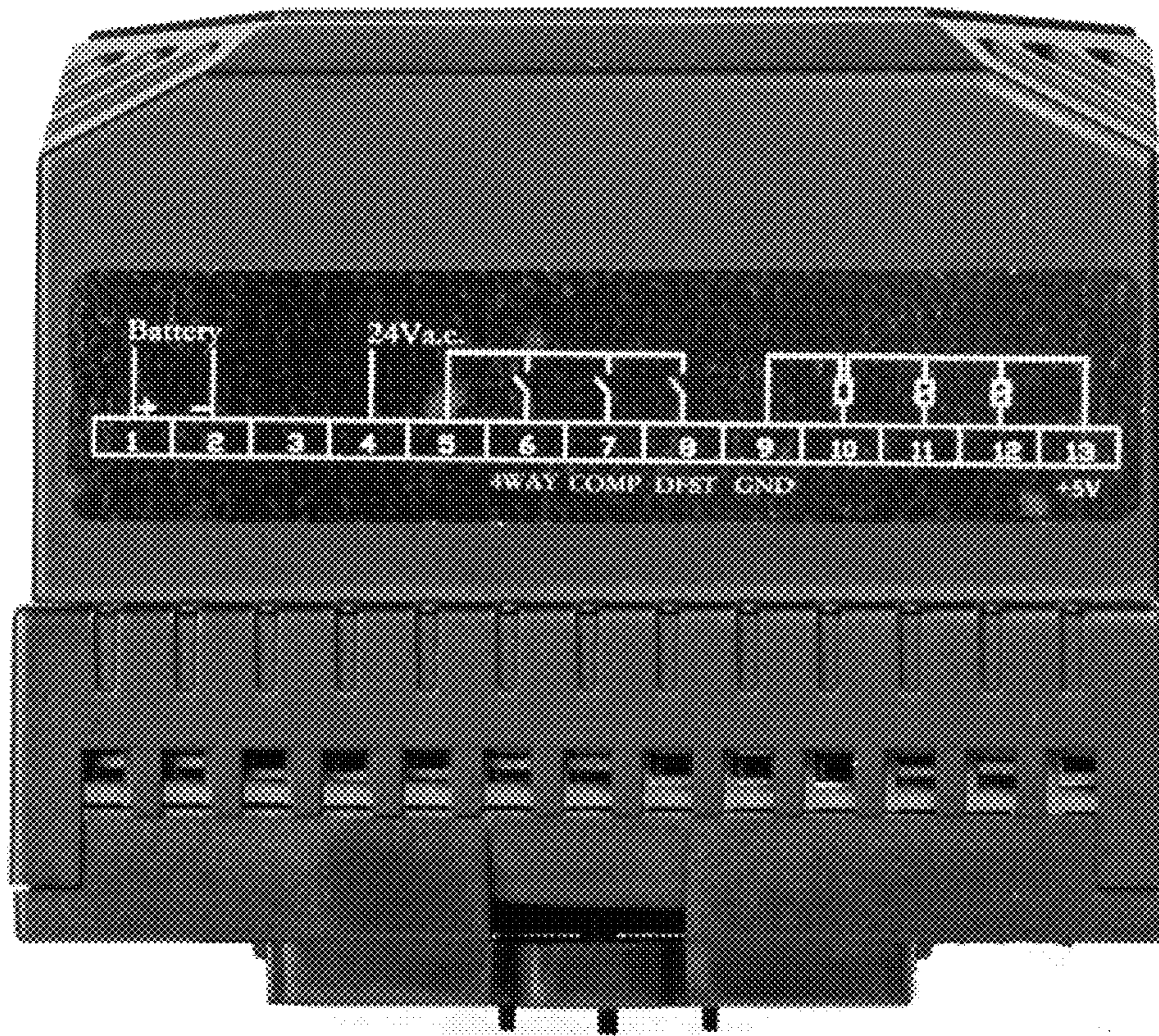


Figure 1

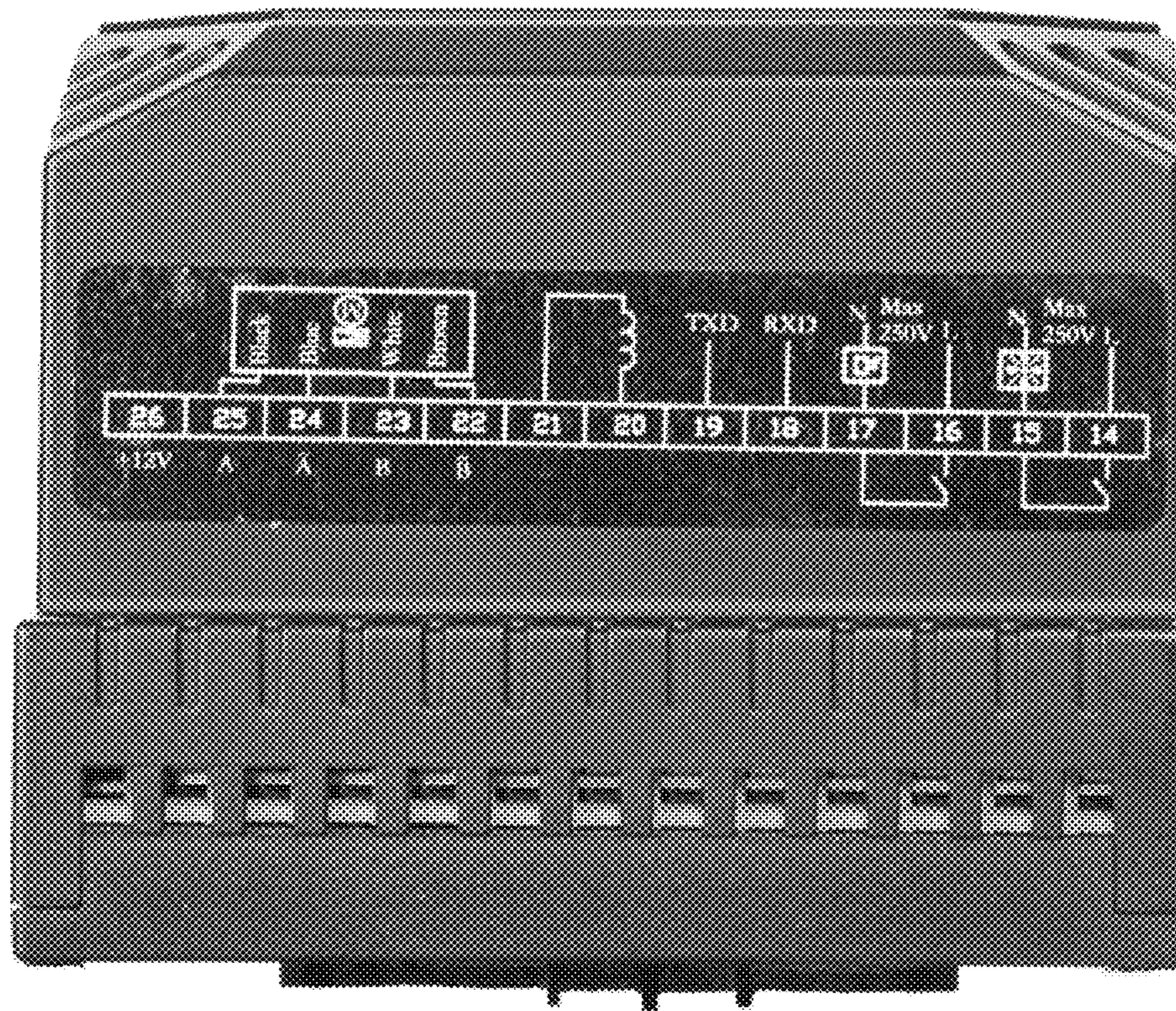


Figure 2

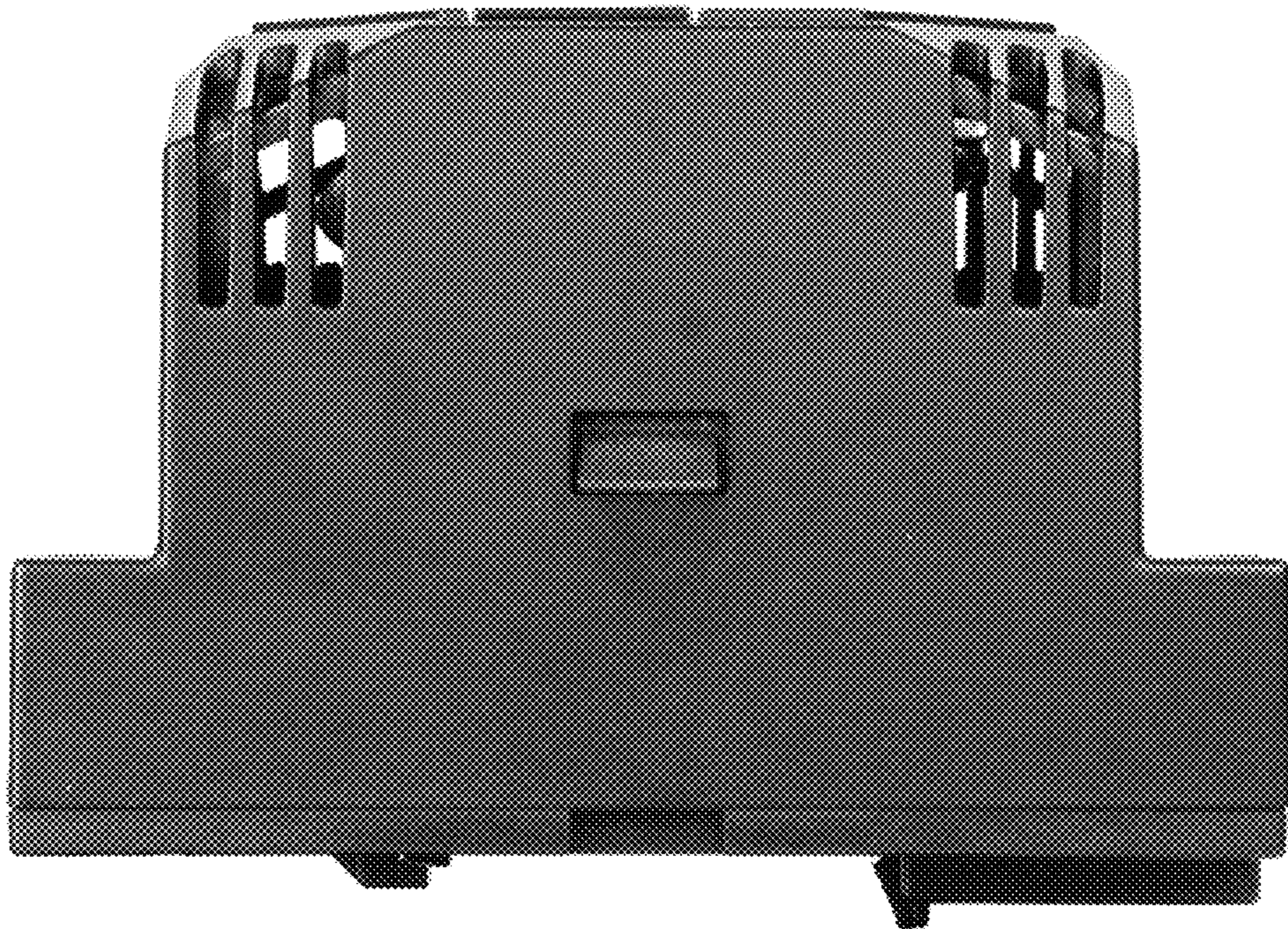


Figure 3

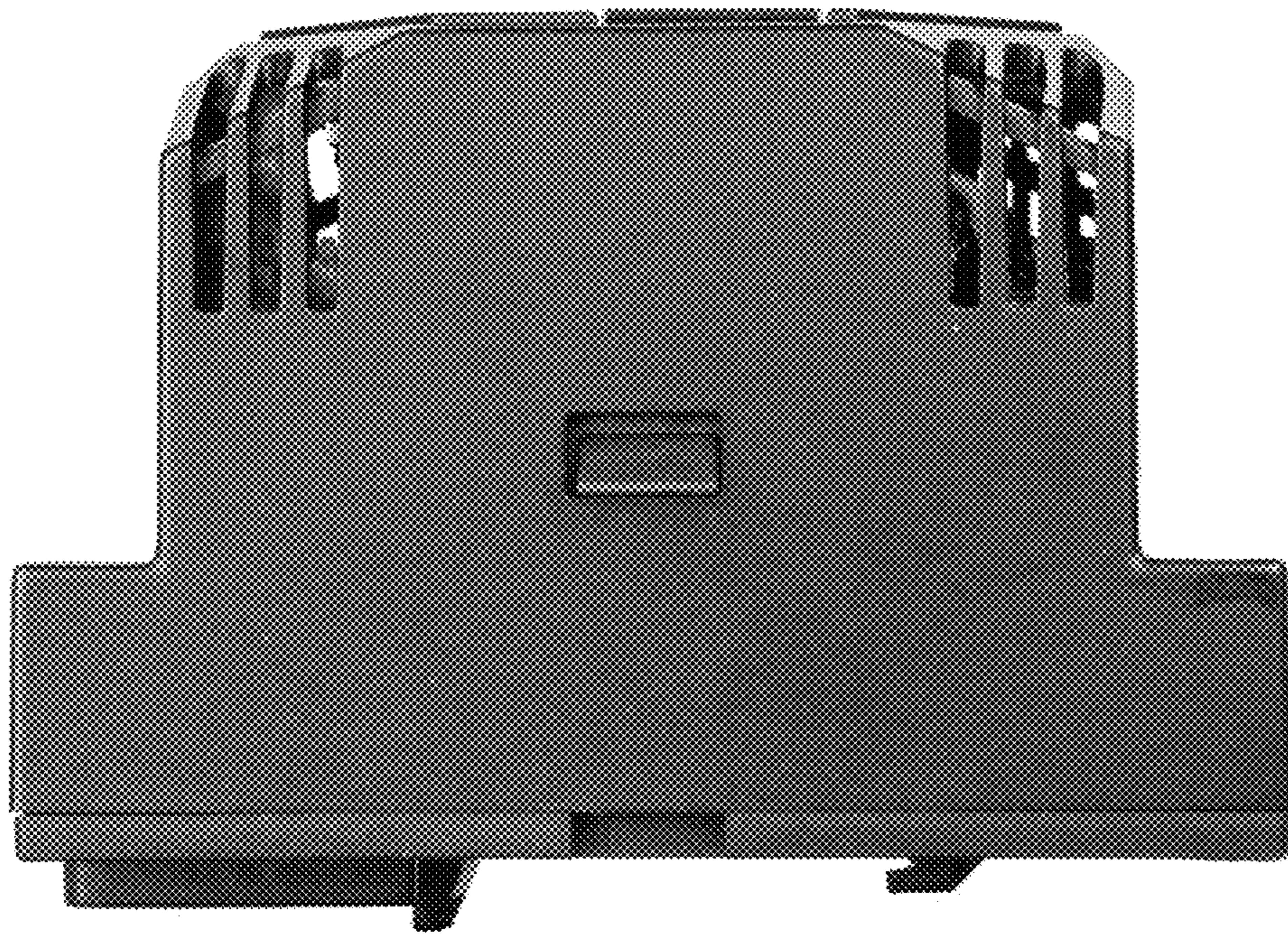


Figure 4

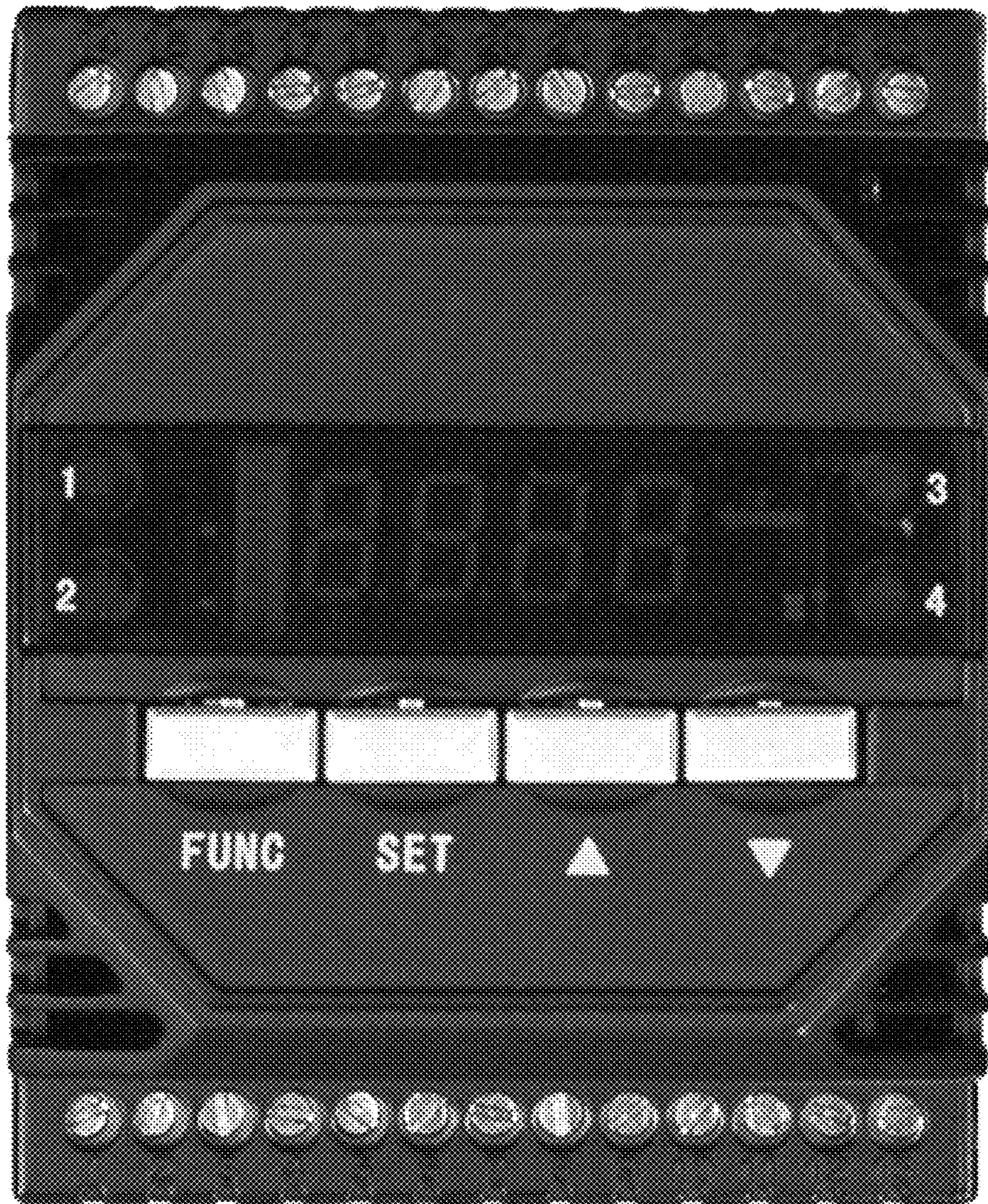


Figure 5

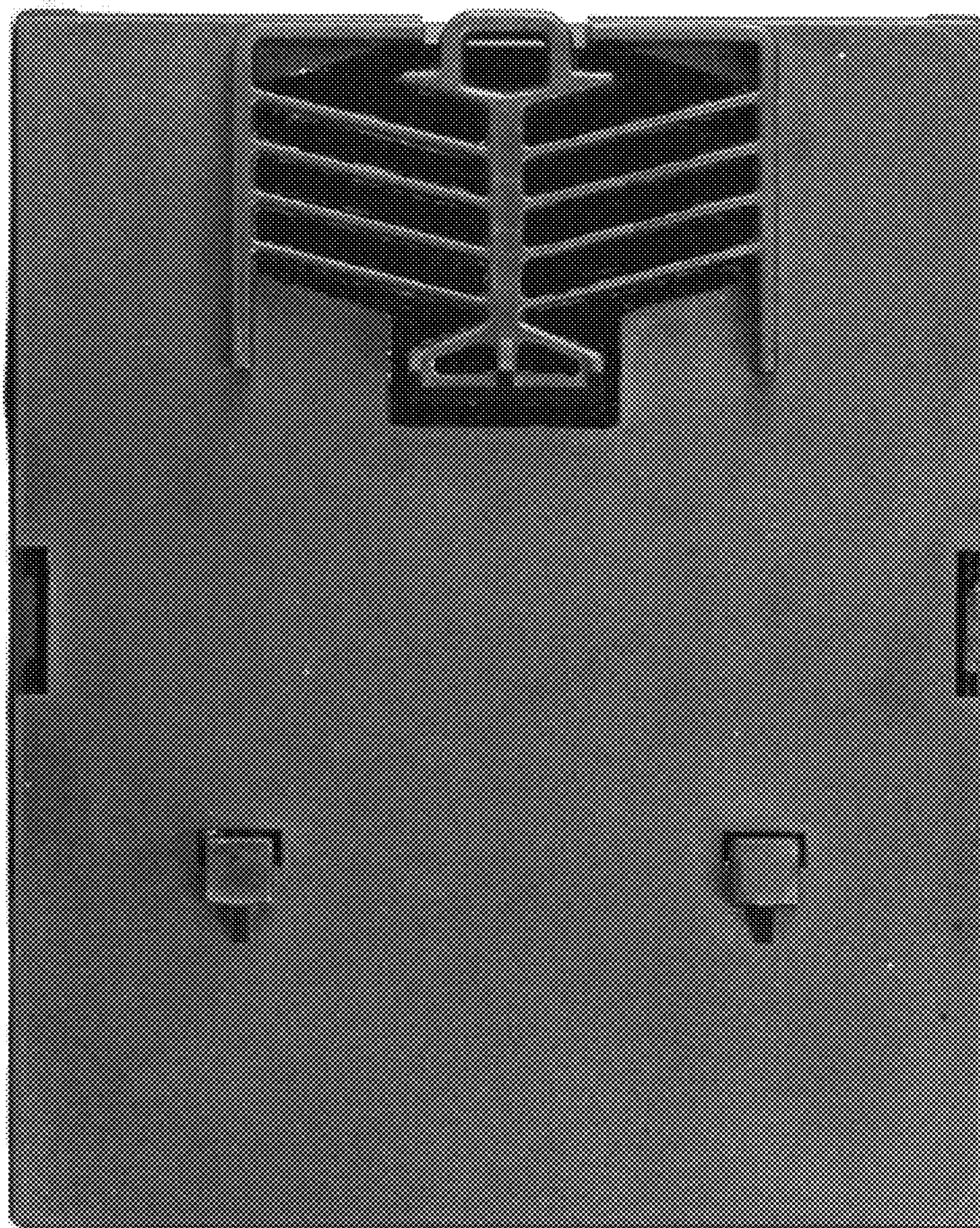


Figure 6



Figure 7