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

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(54) **BROADCASTING CONTROL UNIT**

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

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(52) **U.S. Cl.**  
USPC ..... **D14/188**

(58) **Field of Classification Search**  
USPC ..... D14/137, 139, 162, 167-169, 175, 179, D14/188, 194-198, 217, 257, 265, 299, D14/496; 330/1 R, 3, 4, 250; 381/86, 381/120; 455/344-351  
CPC . B60R 11/02; B60R 11/0205; B60R 11/0217; G10K 9/22; G10K 15/04; H03F 1/26; H03F 1/3247; H03F 3/24; H03F 3/181; H03F 3/189; H03F 3/45197; H03F 2200/03; H03F 2200/324; H03F 2200/336; H03F 2200/543; H03F 2203/45488; H03G 3/02; H03G 3/20; H04R 1/02; H04R 1/028; H04R 3/00; H04R 1/12; H04R 2420/07; H04R 2499/13

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,091,736 A \* 5/1963 Germain ..... H05K 7/20854  
165/80.3  
D242,260 S \* 11/1976 Asai ..... D14/198

D249,376 S \* 9/1978 Taylor ..... D14/139  
D298,133 S \* 10/1988 Tokiyama ..... D14/157  
5,231,699 A \* 7/1993 Tendler ..... H04B 1/3805  
455/166.2  
D342,954 S \* 1/1994 Lindeman ..... D14/137  
D484,867 S 1/2004 Little, Jr.  
D574,799 S 8/2008 Cronmiller et al.  
D599,775 S \* 9/2009 Onoue ..... D14/137  
D603,835 S \* 11/2009 Onoue ..... D14/137  
D608,317 S \* 1/2010 Nishizawa ..... D14/137

(Continued)

**OTHER PUBLICATIONS**

CMX Audio, Public Address & Voice Alarm & IP Network Audio, 12 Zone Voice Alarm System with Paging & BGM & Digital PA System, Advantages of EVAC-500 Voice Alarm Controller, Copyright 2013-2016, <http://www.cmxaudio.com/News/detail/id/133>.

(Continued)

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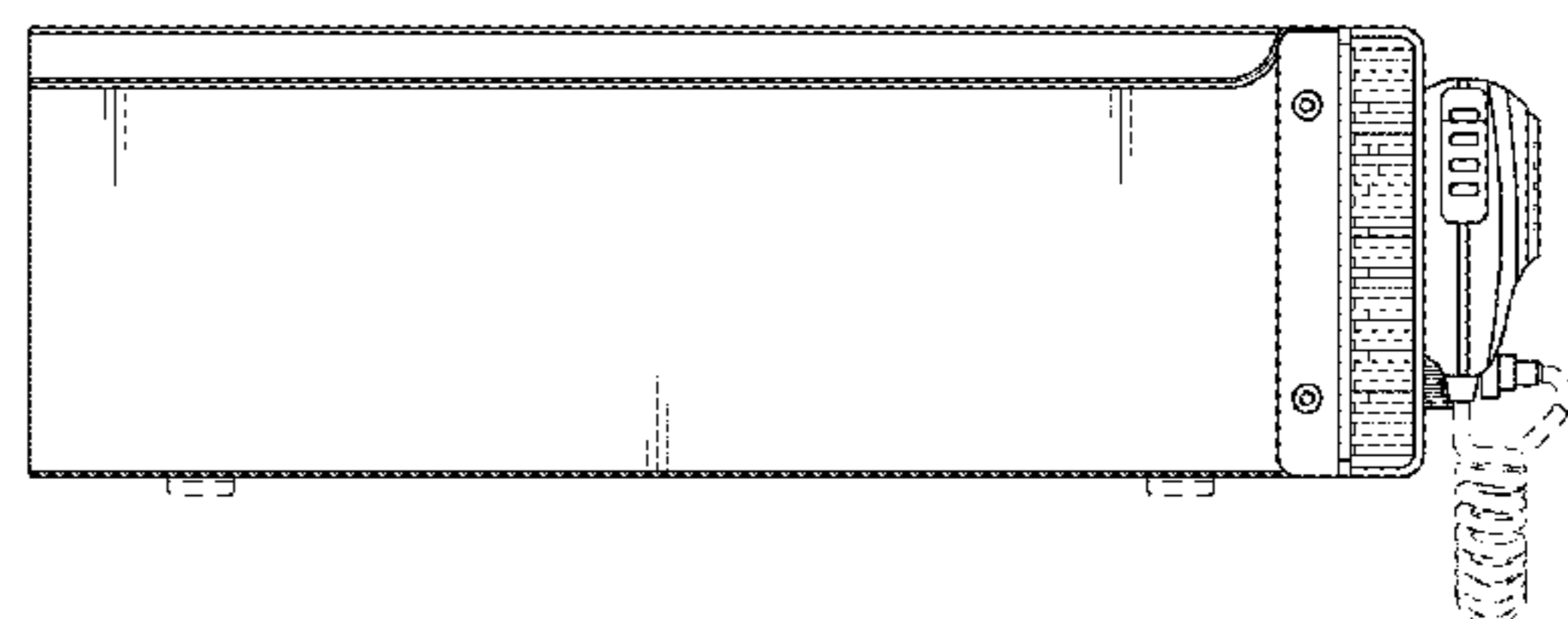
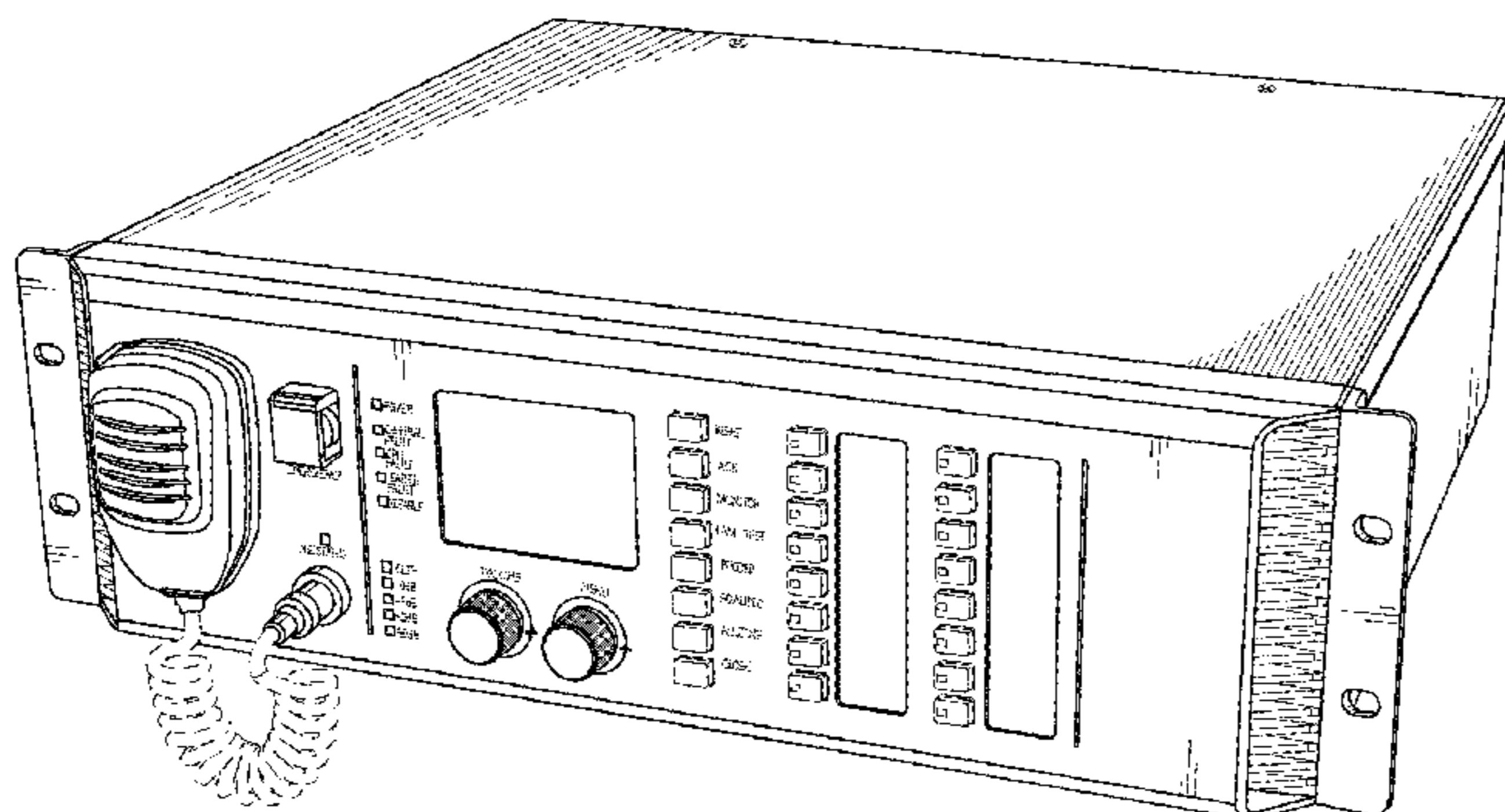
(57) **CLAIM**

The ornamental design for a broadcasting control unit, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the broadcasting control unit. FIG. 2 is a front elevation view thereof. FIG. 3 is a rear elevation view thereof. FIG. 4 is a right side elevation view thereof. FIG. 5 is a left side elevation view thereof; and, FIG. 6 is a top plan view thereof. The broken lines in the drawings depict subject matter that is hereby disclaimed and forms no part of the claimed design. The bottom view of the broadcasting control unit illustrated in FIGS. 1-6 forms no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D608,340 S \* 1/2010 Nishizawa ..... D14/137  
D695,260 S \* 12/2013 Teulie ..... D14/188  
D714,253 S 9/2014 Aglassinger et al.  
D718,748 S 12/2014 Pan  
D724,558 S 3/2015 Bast  
D725,085 S \* 3/2015 Barker ..... D14/137  
D754,096 S \* 4/2016 Teulie ..... D14/188  
D767,635 S 9/2016 Aglassinger et al.

OTHER PUBLICATIONS

TOA Electronics, Inc., Remote Microphone Station: N-8610RM,  
<http://www.toaelectronics.com/products/intercom-systems/ip-stations/n-8610rm>, Apr. 3, 2015.

Protec Fire Detection plc, MPS10-MPS50 Modular Paging and  
Emergency Microphone, <https://www.protec.co.uk/product-page/voice-evacuation-public-address/control-and-amplification/product/mps10-mps50-modular-paging-and-emergency-microphone/>,  
Copyright 2017.

\* cited by examiner

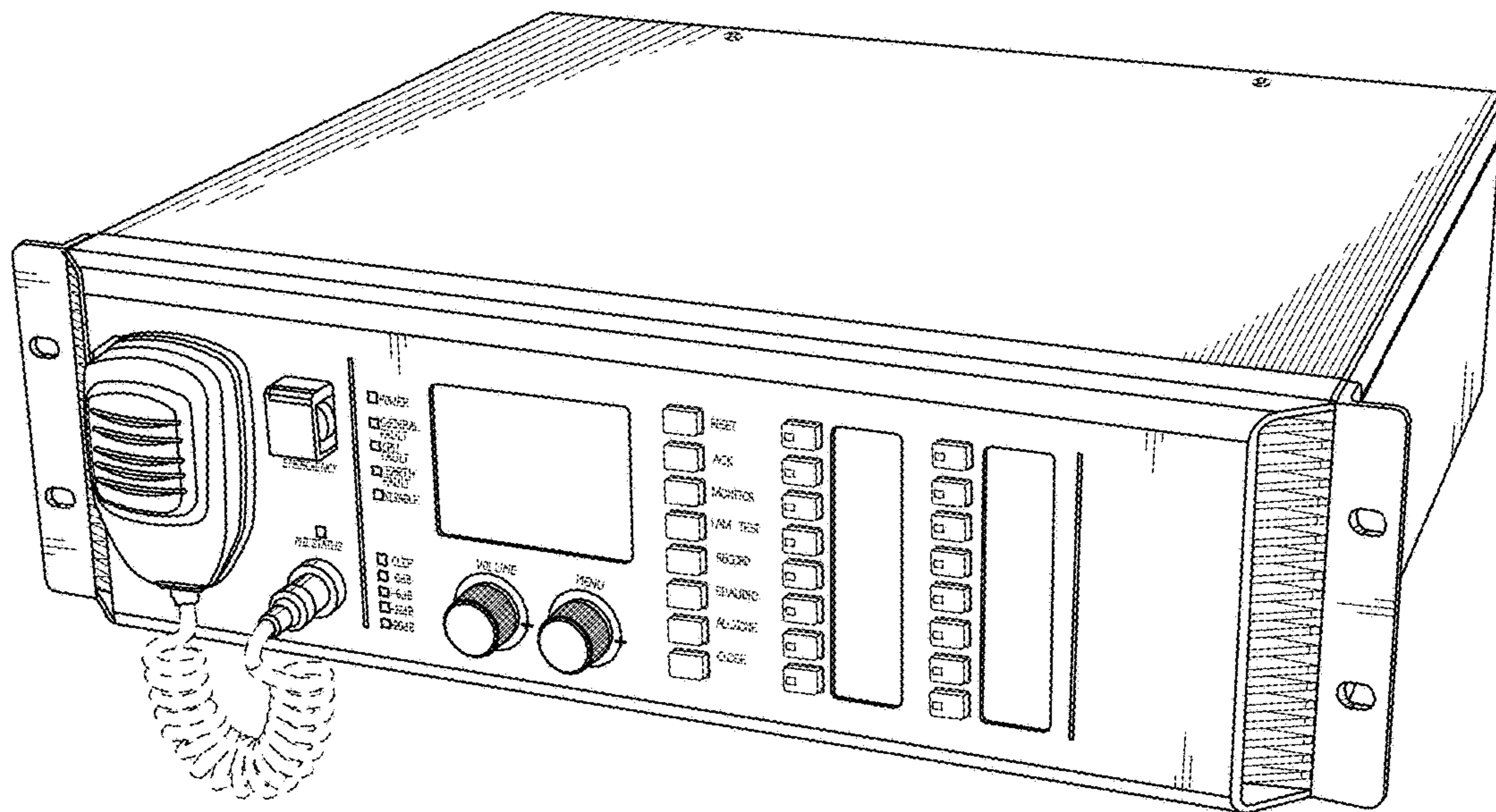


FIG. 1

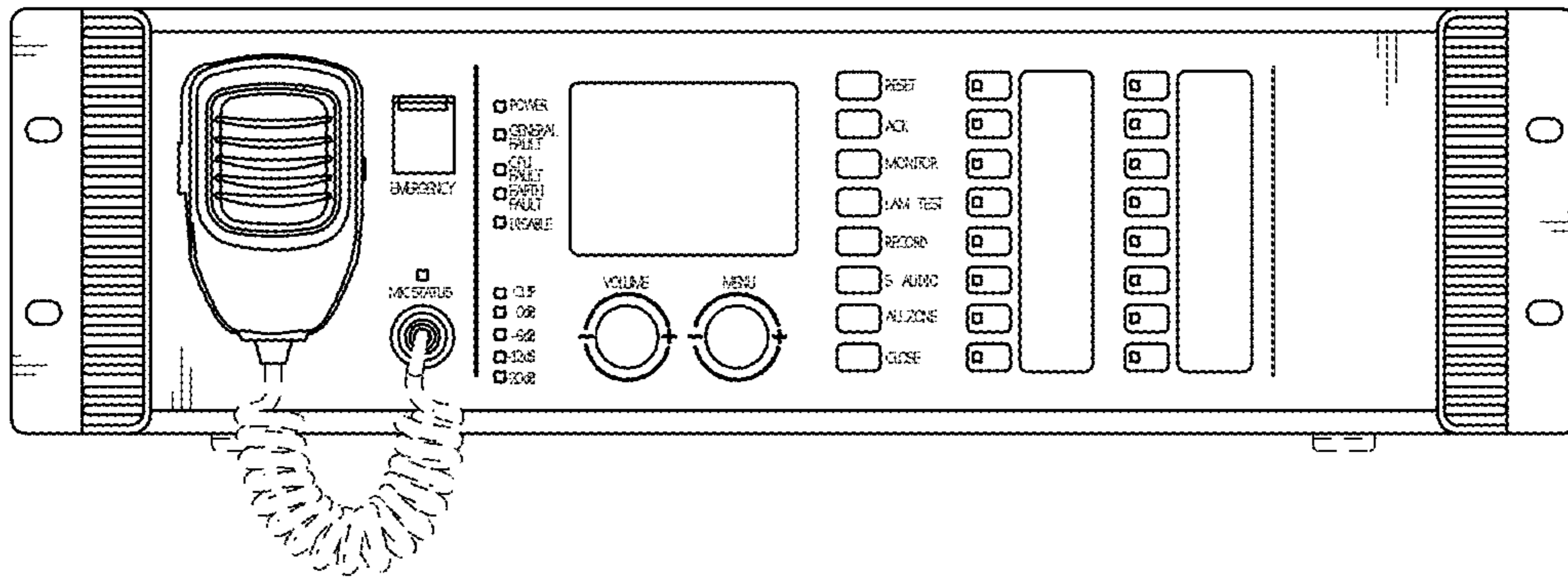


FIG. 2

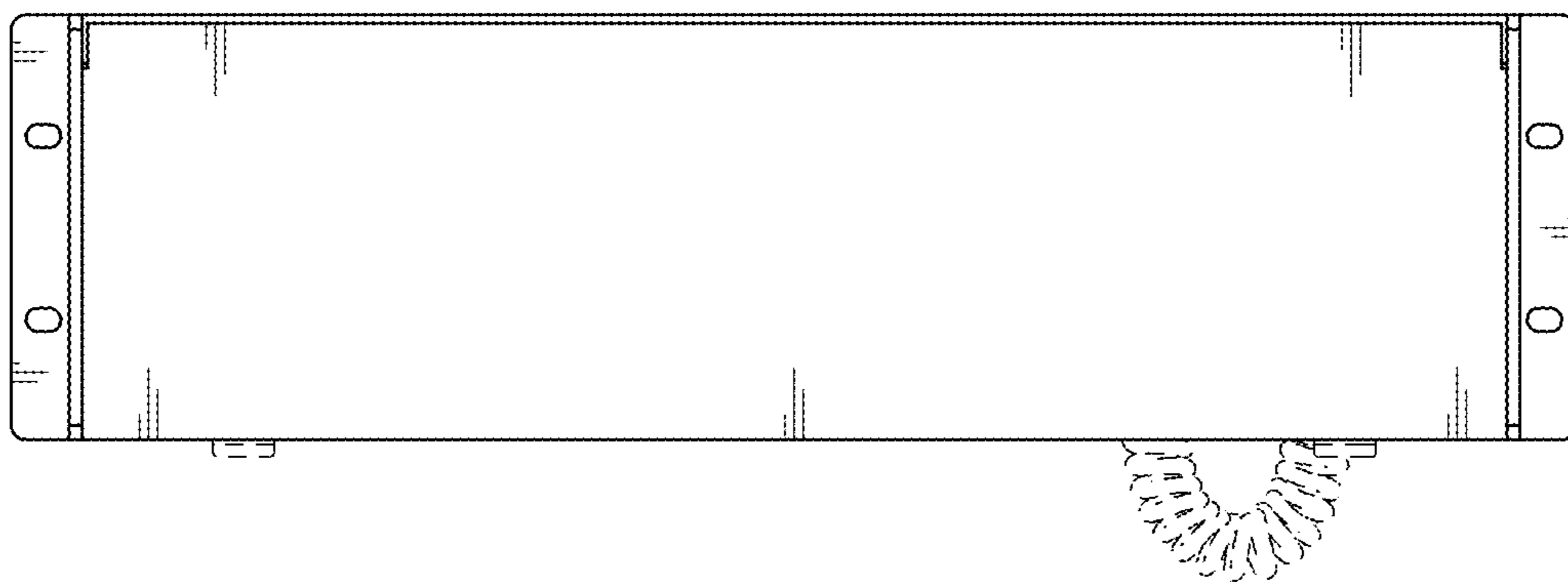
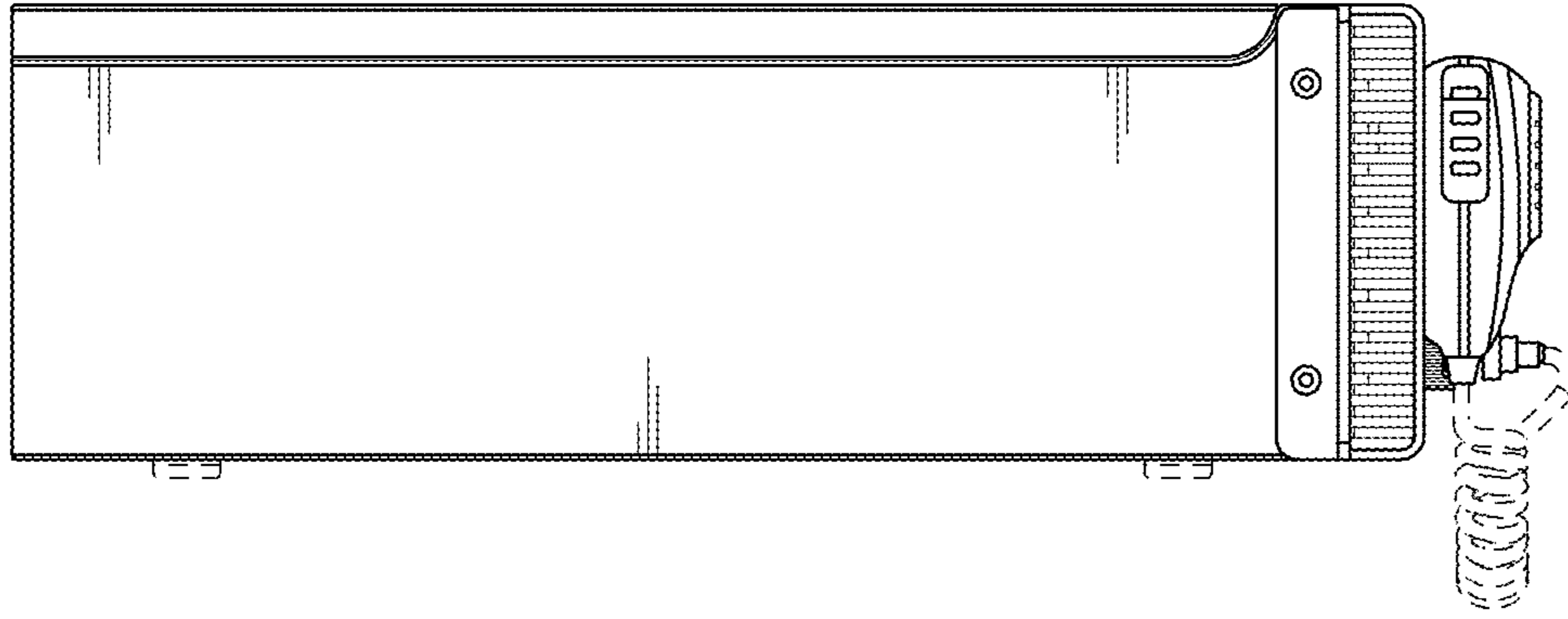
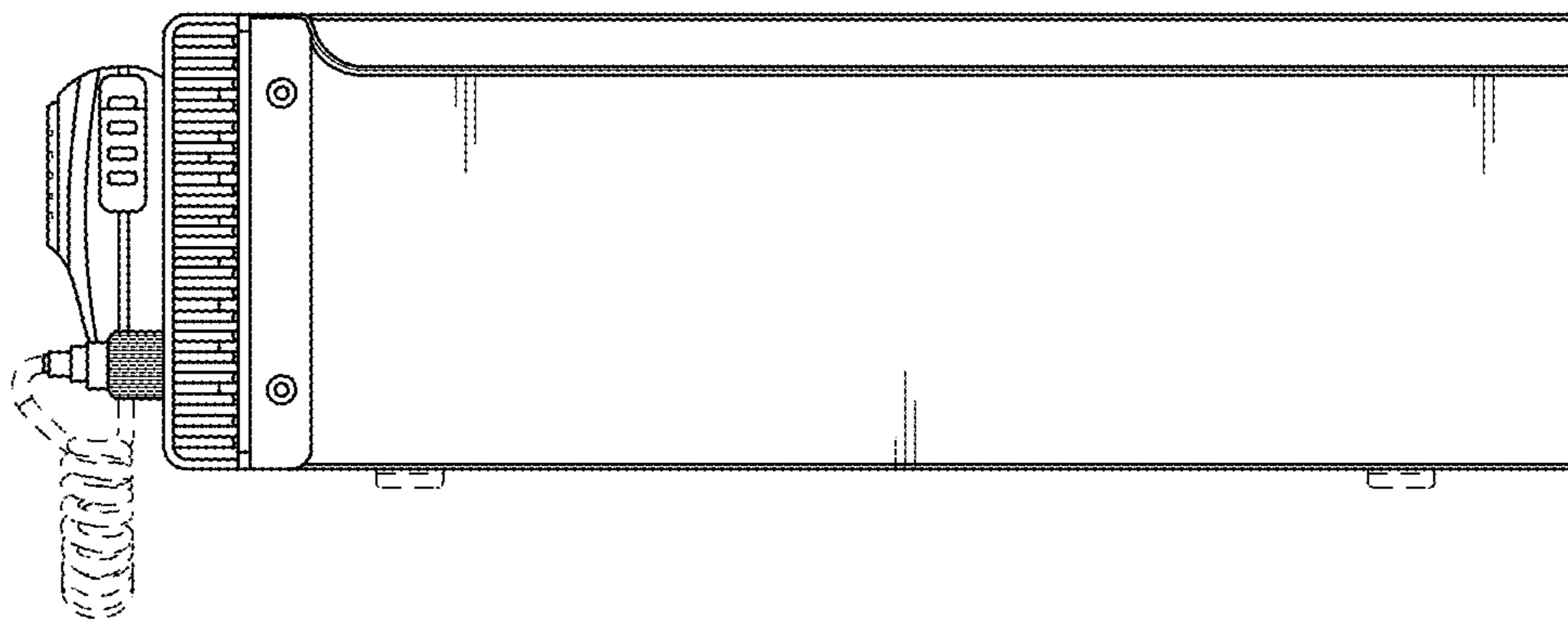


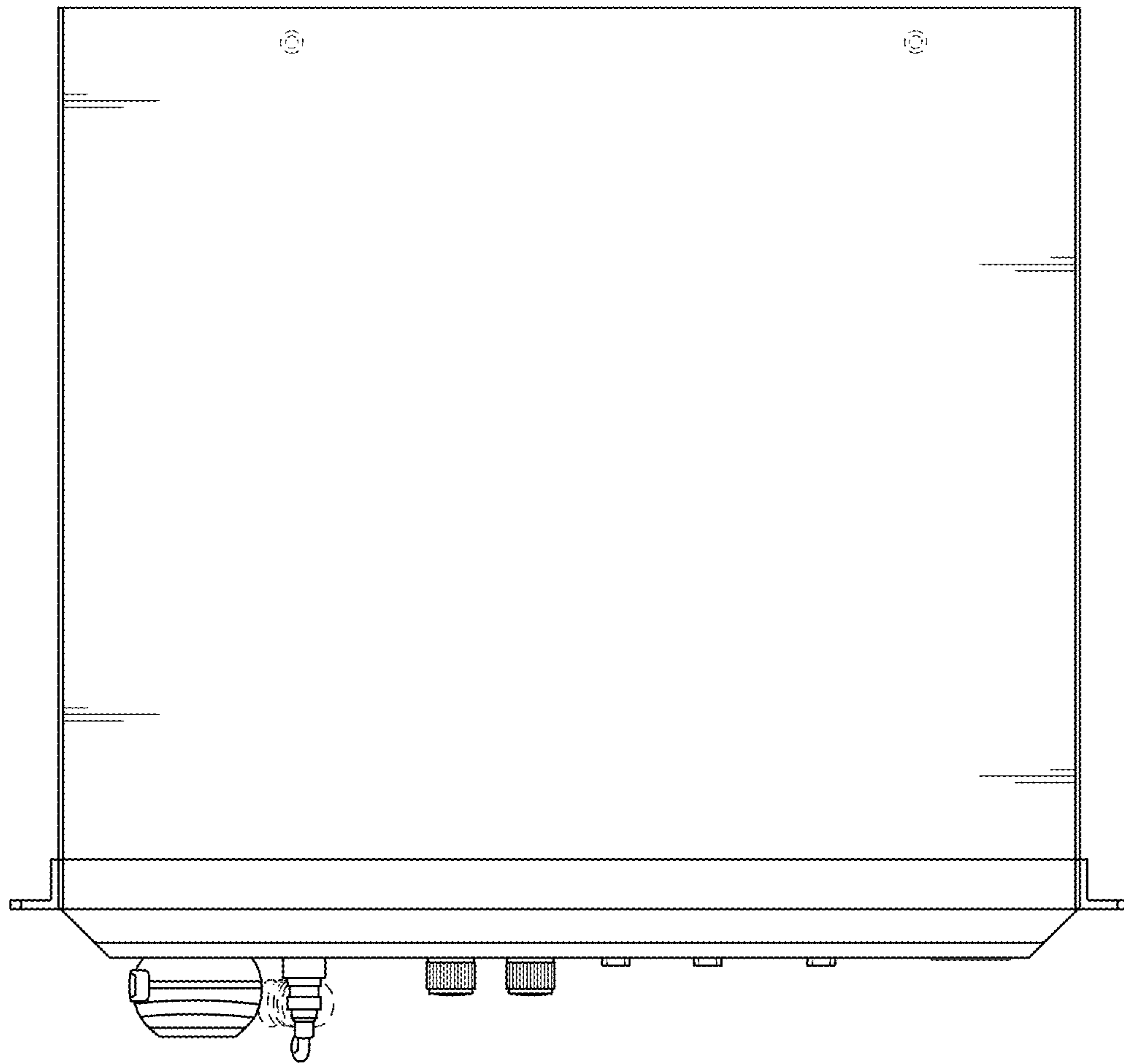
FIG. 3



*FIG. 4*



*FIG. 5*



*FIG. 6*