



US00D467257S

(12) **United States Design Patent**  
**Andersson et al.**(10) **Patent No.:** US D467,257 S  
**(45) Date of Patent:** \*\* Dec. 17, 2002(54) **WELDING APPARATUS**(75) Inventors: **Malin Andersson**, Bromma (SE); **Lars Gerdin**, Kumla (SE)(73) Assignee: **Esab AB**, Gothenburg (SE)(\*\*) Term: **14 Years**(21) Appl. No.: **29/141,831**(22) Filed: **May 14, 2001**(30) **Foreign Application Priority Data**

Nov. 15, 2000 (SE) ..... 00-2109

(51) **LOC (7) Cl.** ..... **15-09**(52) **U.S. Cl.** ..... **D15/144**(58) **Field of Search** ..... D15/144, 144.1,  
D15/144.2; 336/212, 195, 131, 178, 182,  
214(56) **References Cited**

## U.S. PATENT DOCUMENTS

D357,927 S \* 5/1995 Soderholm ..... D15/144.1  
D416,030 S \* 11/1999 Weller et al. ..... D15/144.1  
6,225,596 B1 \* 5/2001 Chandler et al. ..... 219/130.1

\* cited by examiner

*Primary Examiner*—Antoine Duval Davis(74) *Attorney, Agent, or Firm*—Nils H. Ljungman & Associates(57) **CLAIM**

The ornamental design for a welding apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a frontal perspective view of a first embodiment of a welding apparatus with a welding power source and a cooling module.

FIG. 2 is a back perspective view of the first embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 1.

FIG. 3 is a frontal perspective view of a second embodiment of a welding apparatus with a welding power source and a cooling module.

FIG. 4 is a back perspective view of the second embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 3.

FIG. 5 is a frontal perspective view of a third embodiment of a welding apparatus with a welding power source and a cooling module.

FIG. 6 is a back perspective view of the third embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 5.

FIG. 7 is a frontal perspective view of a fourth embodiment of a welding apparatus with a welding power source and a cooling module.

FIG. 8 is a back perspective view of the fourth embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 7.

FIG. 9 is a frontal perspective view of a variation of the first embodiment of a welding apparatus with a welding power source and a cooling module with the cooling module shown in broken lines.

FIG. 10 is a back perspective view of the variation of the first embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 9.

FIG. 11 is a frontal perspective view of a variation of the second embodiment of a welding apparatus with a welding power source and a cooling module with the cooling module shown in broken lines.

FIG. 12 is a back perspective view of the variation of the second embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 11.

FIG. 13 is a frontal perspective view of a variation of the third embodiment of a welding apparatus with a welding power source and a cooling module with the cooling module shown in broken lines.

FIG. 14 is a back perspective view of the variation of the third embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 13.

FIG. 15 is a frontal perspective view of a variation of the fourth embodiment of a welding apparatus with a welding power source and a cooling module with the cooling module shown in broken lines.

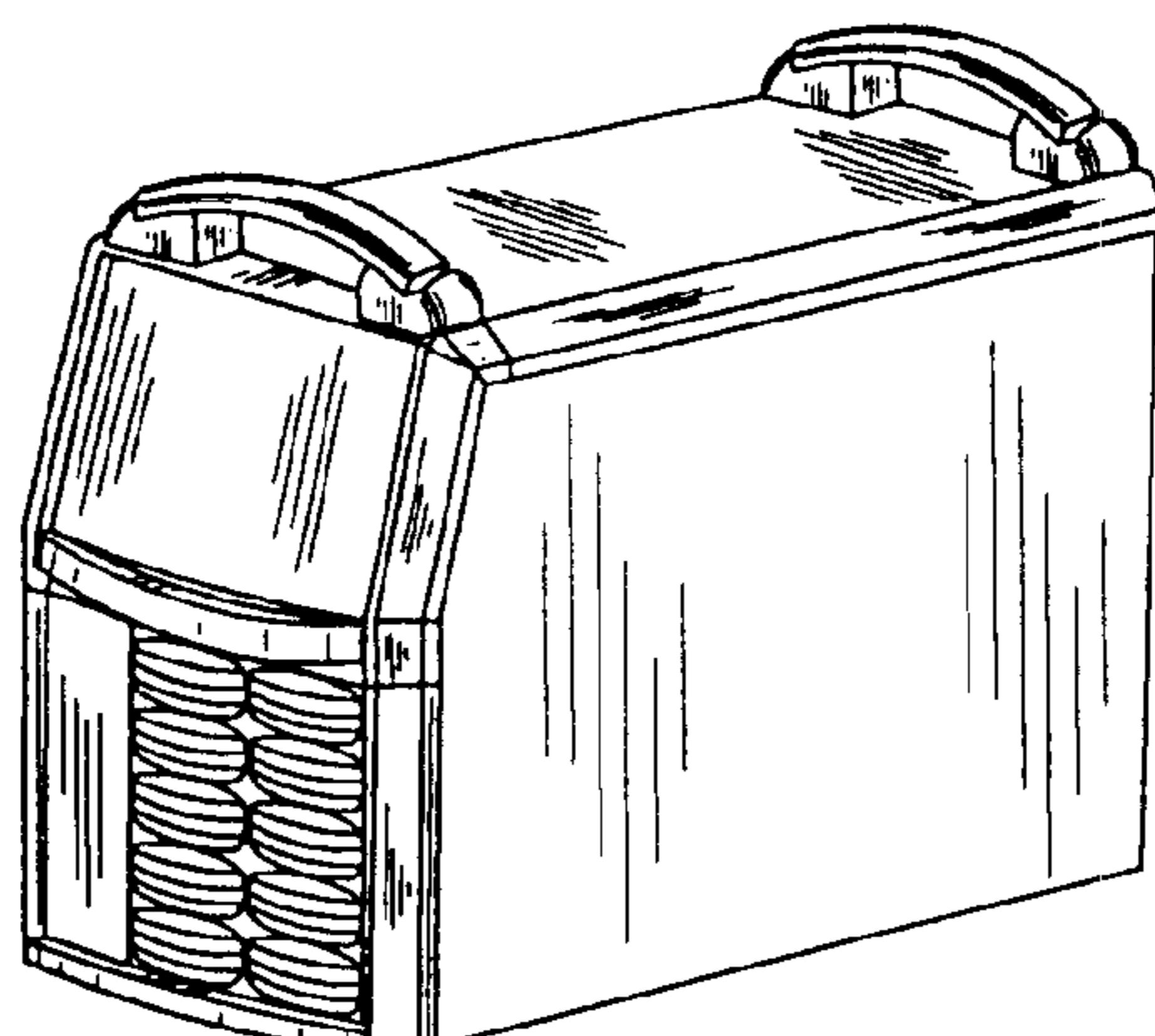


FIG. 16 is a back perspective view of the variation of the fourth embodiment of a welding apparatus with a welding power source and a cooling module shown in FIG. 15.

FIG. 17 is a frontal perspective view of a variation of the first embodiment of a welding apparatus with a control panel.

FIG. 18 is a frontal perspective view of a variation of the second embodiment of a welding apparatus with a control panel.

FIG. 19 is a frontal perspective view of a variation of the third embodiment of a welding apparatus with a control panel.

FIG. 20 is a frontal perspective view of a variation of the fourth embodiment of a welding apparatus with a control panel.

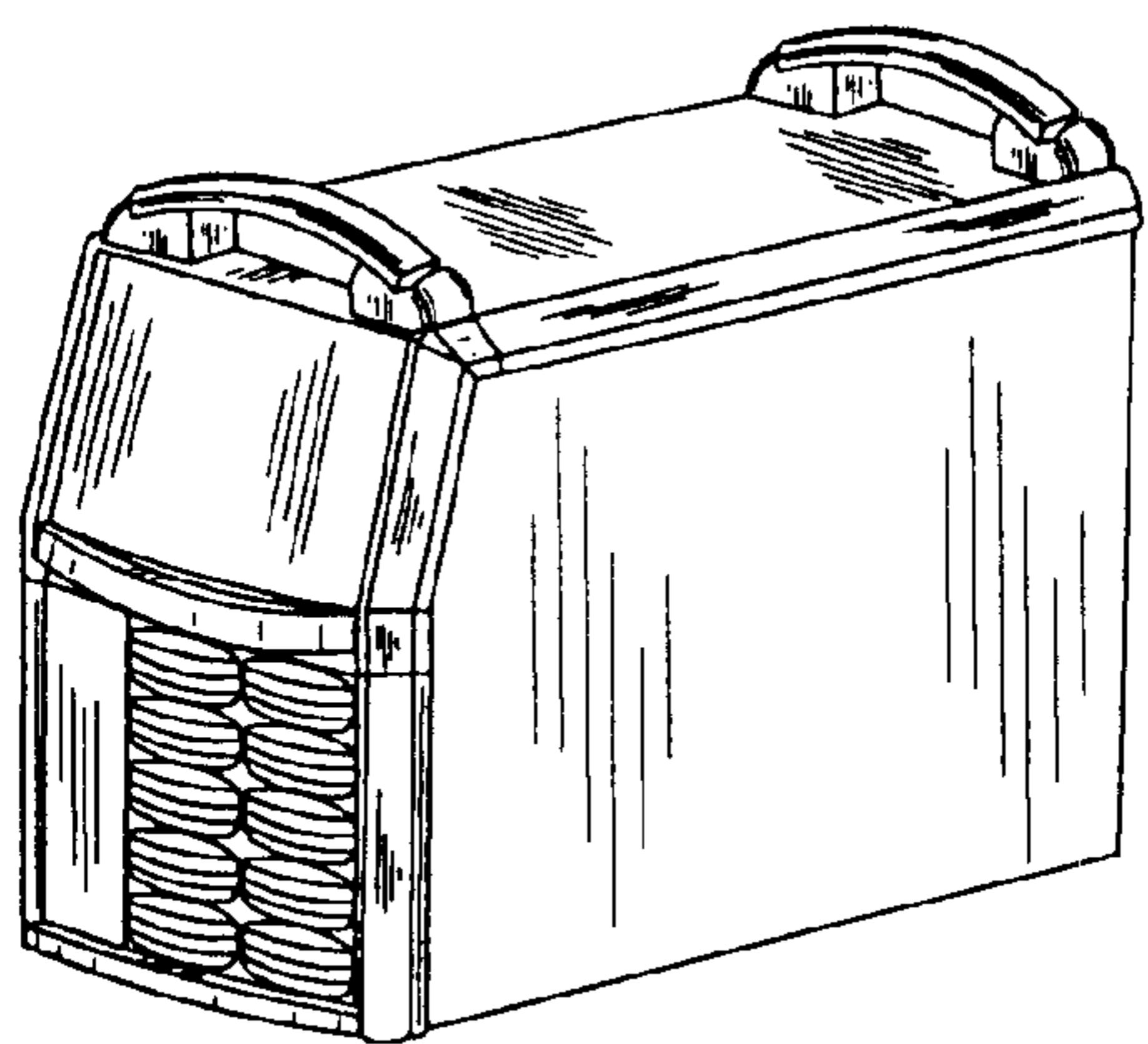
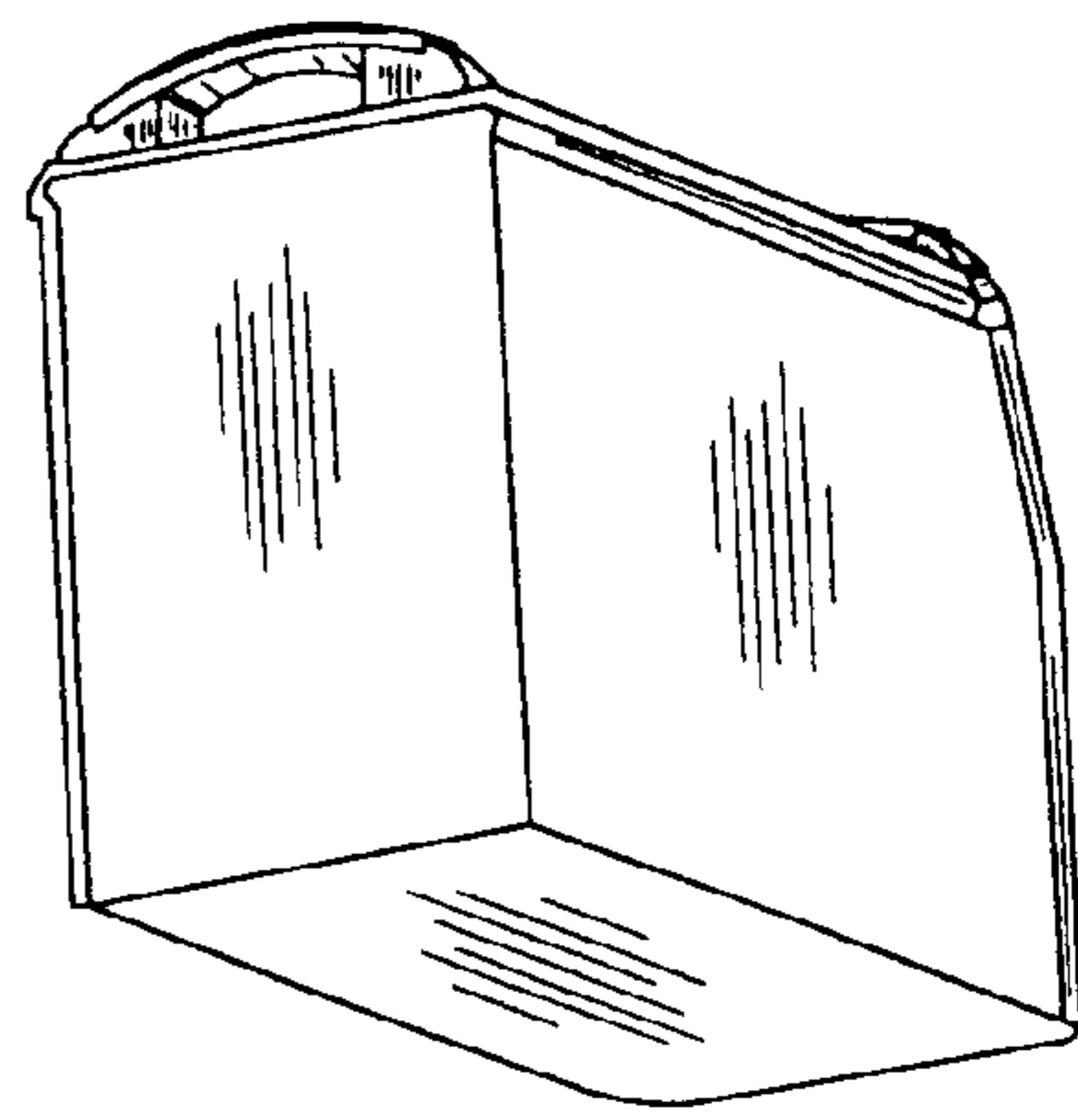
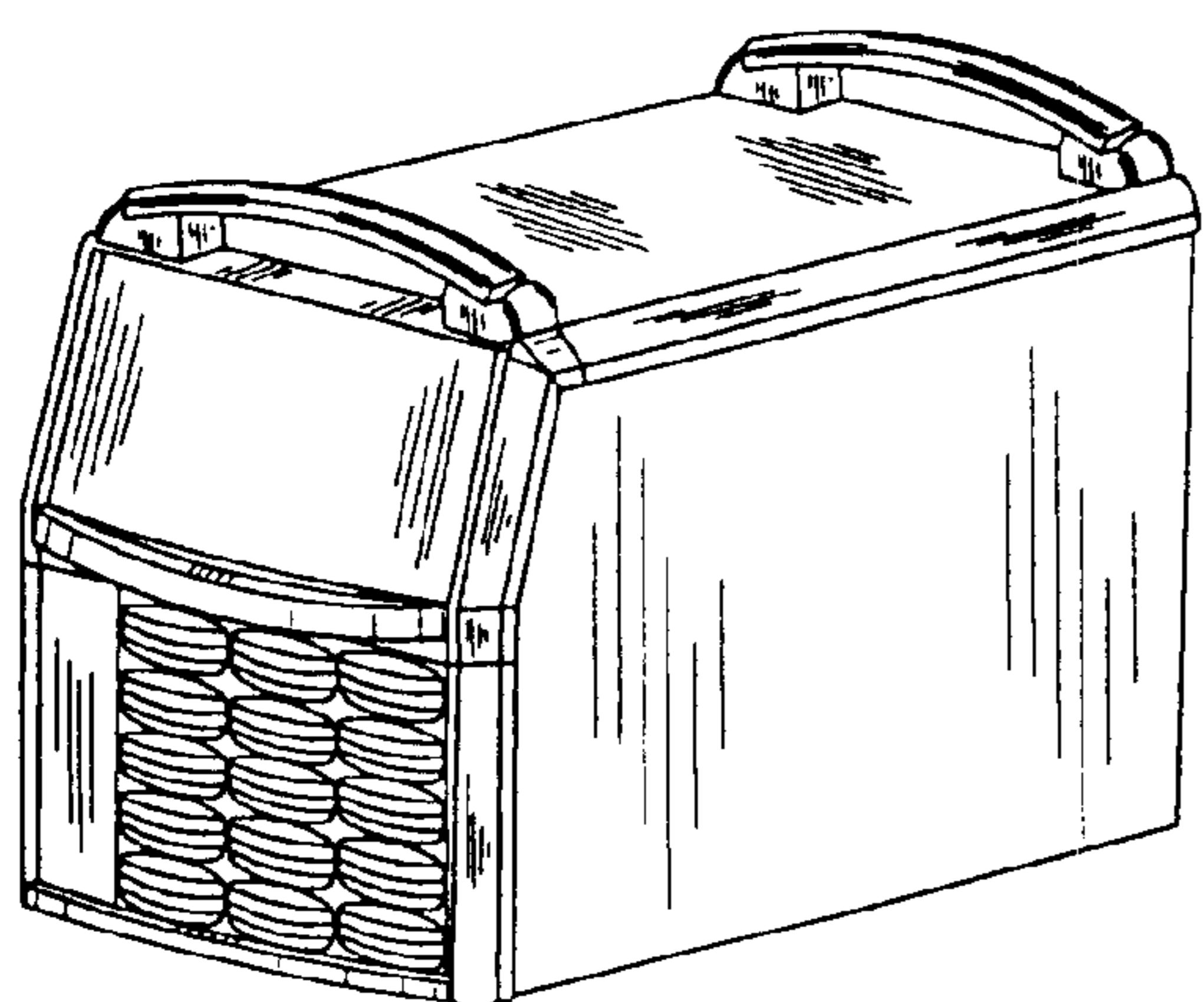
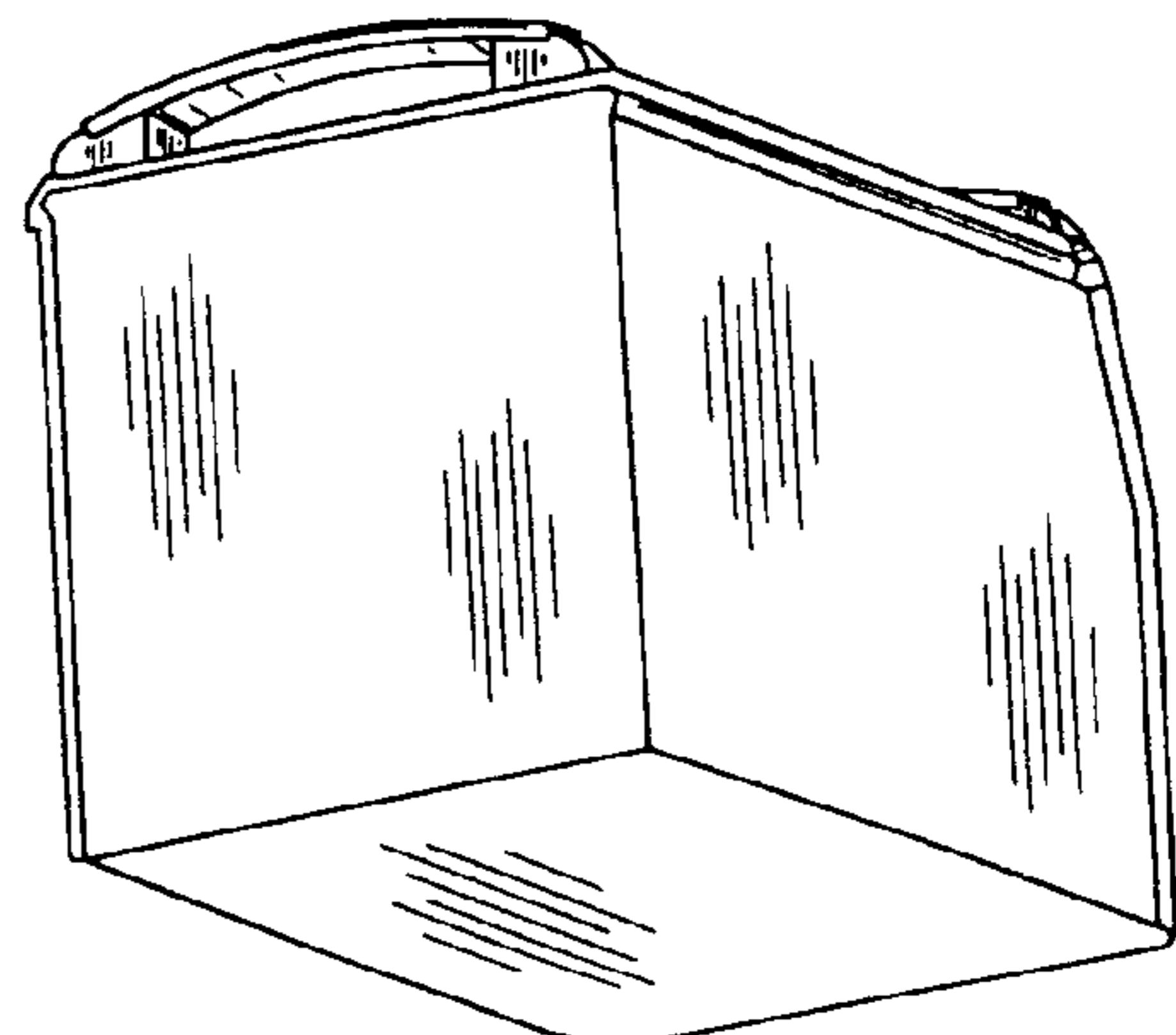
FIG. 21 is a frontal perspective view of a variation of the first embodiment of a welding apparatus with a control panel shown in FIG. 17, with the control panel shown in broken lines.

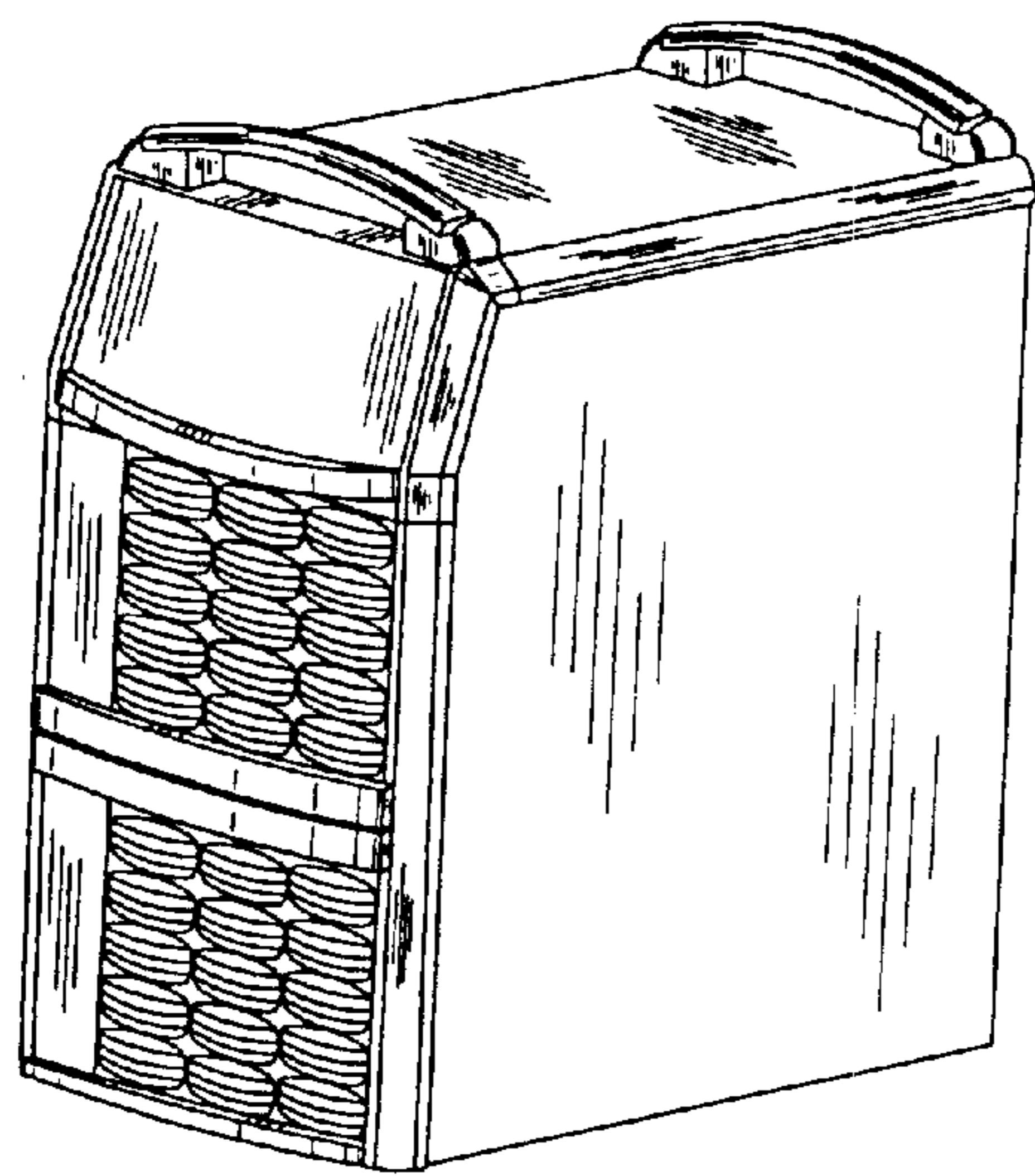
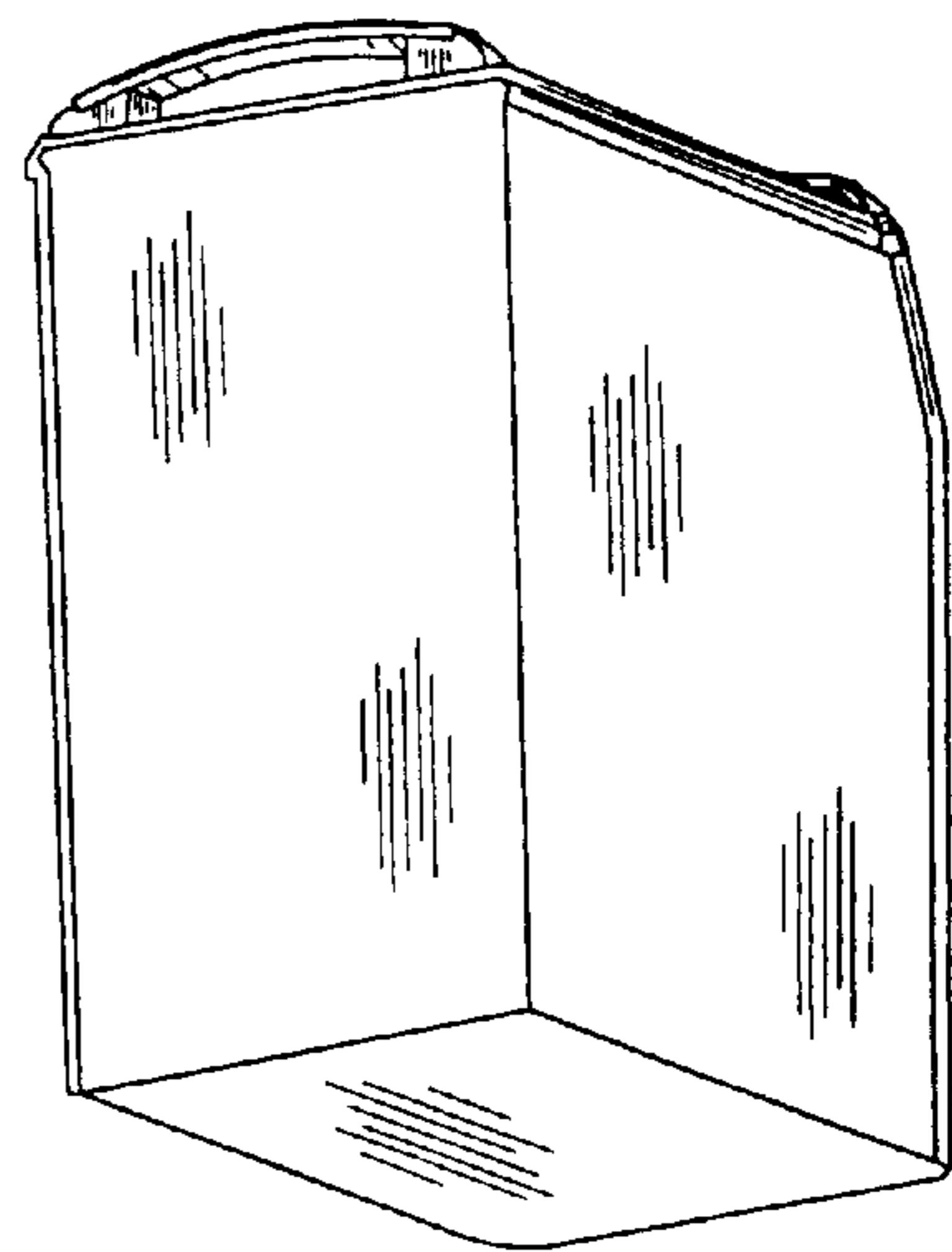
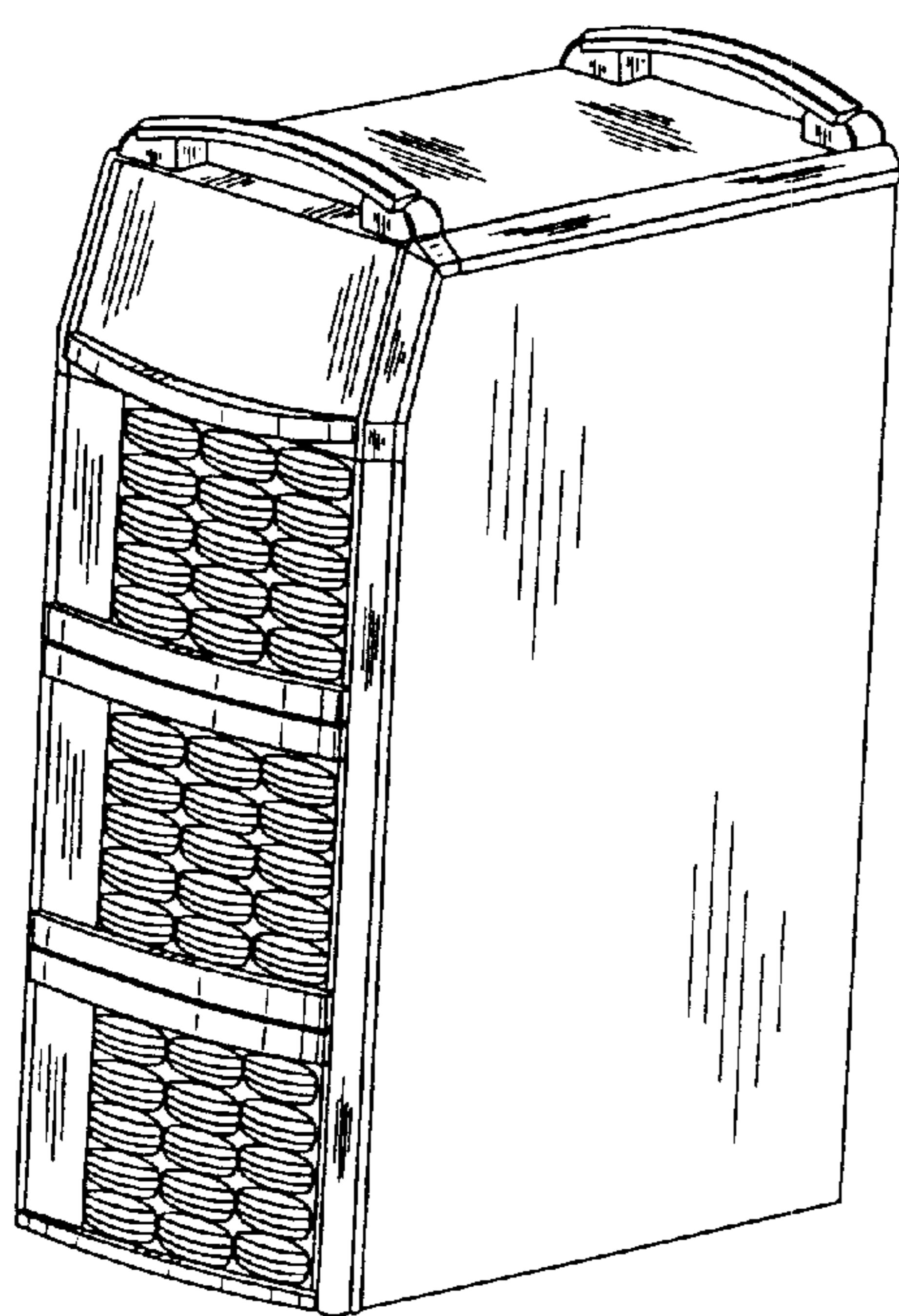
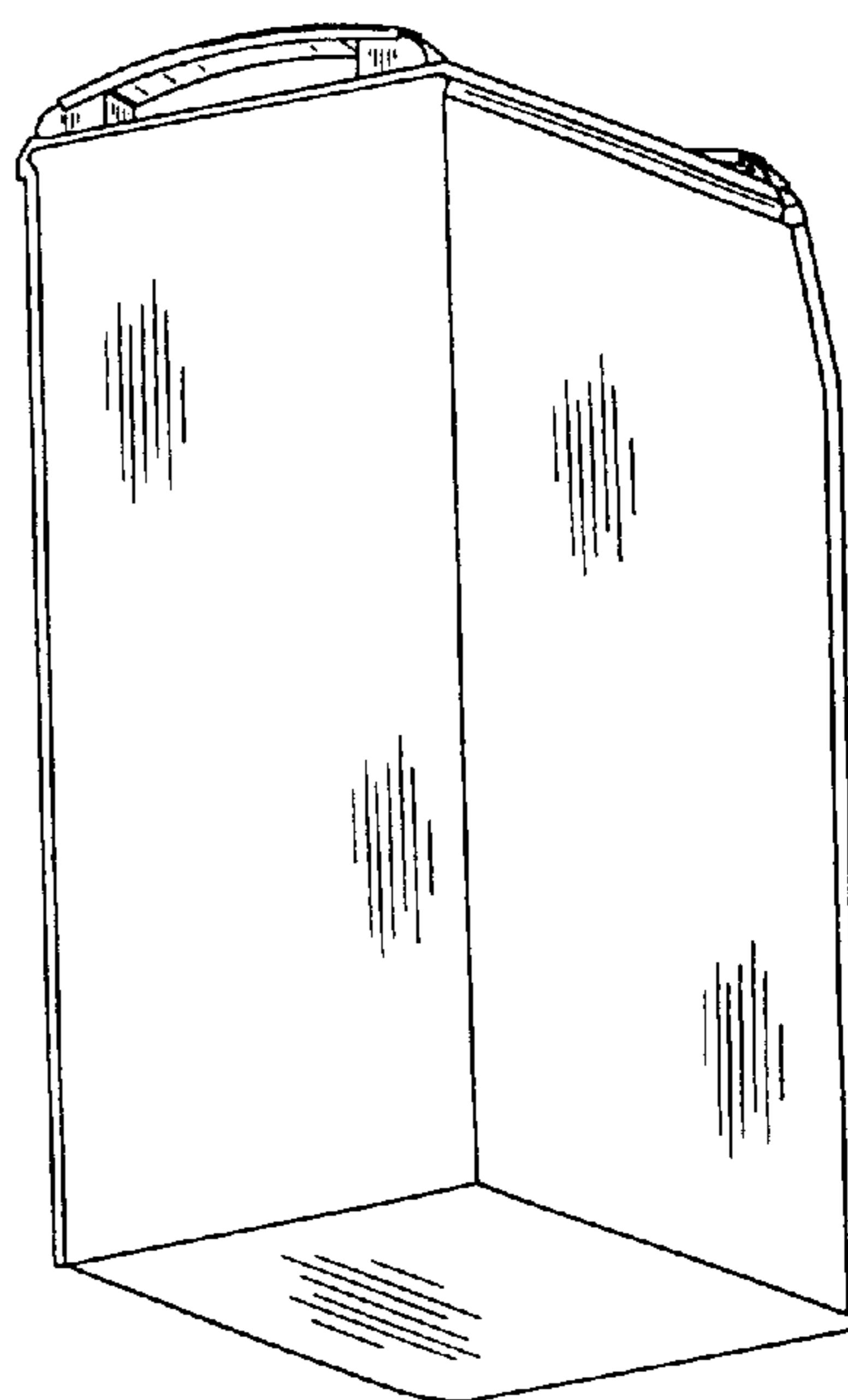
FIG. 22 is a frontal perspective view of a variation of the second embodiment of a welding apparatus with a control panel shown in FIG. 18, with the control panel shown in broken lines.

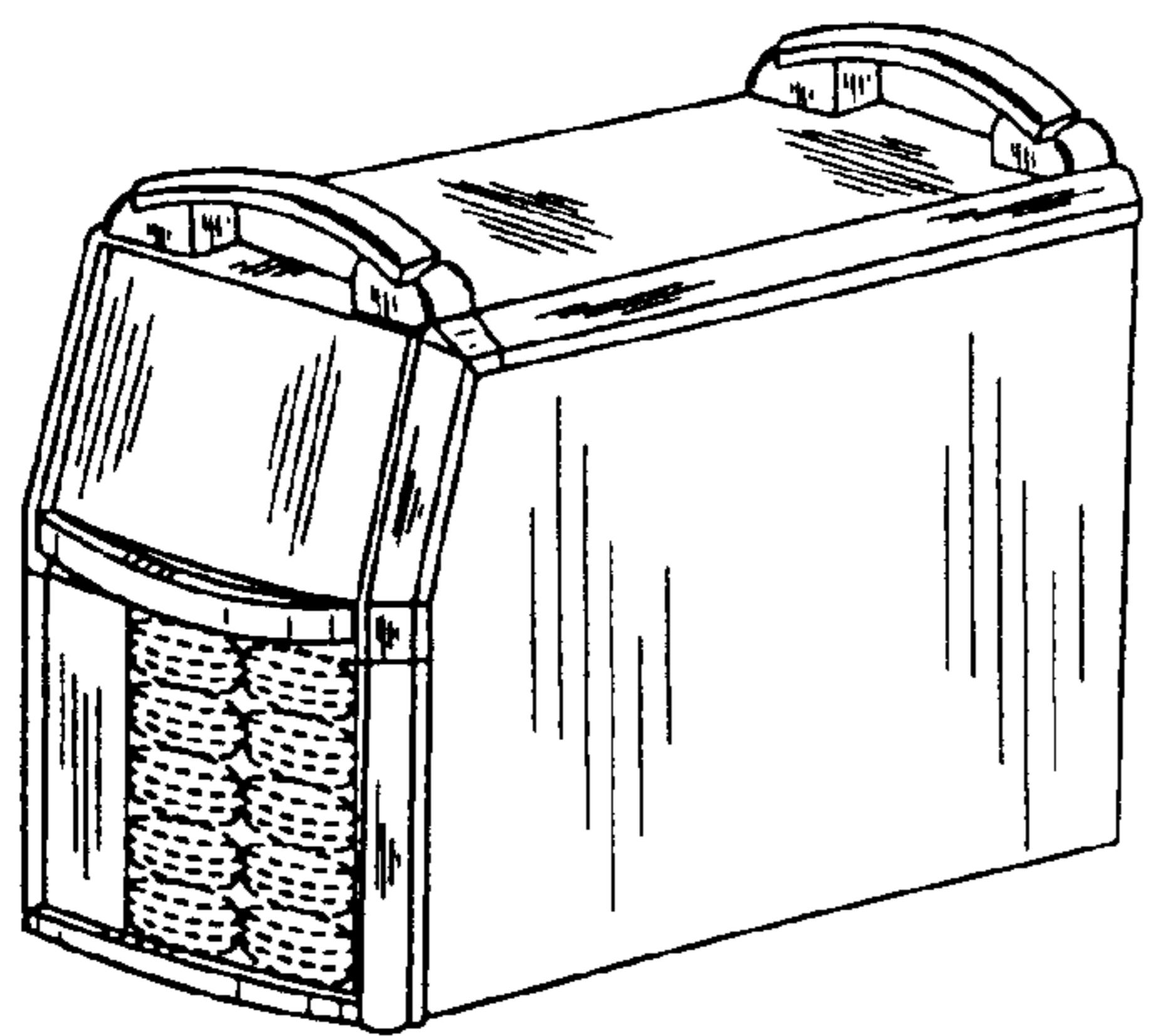
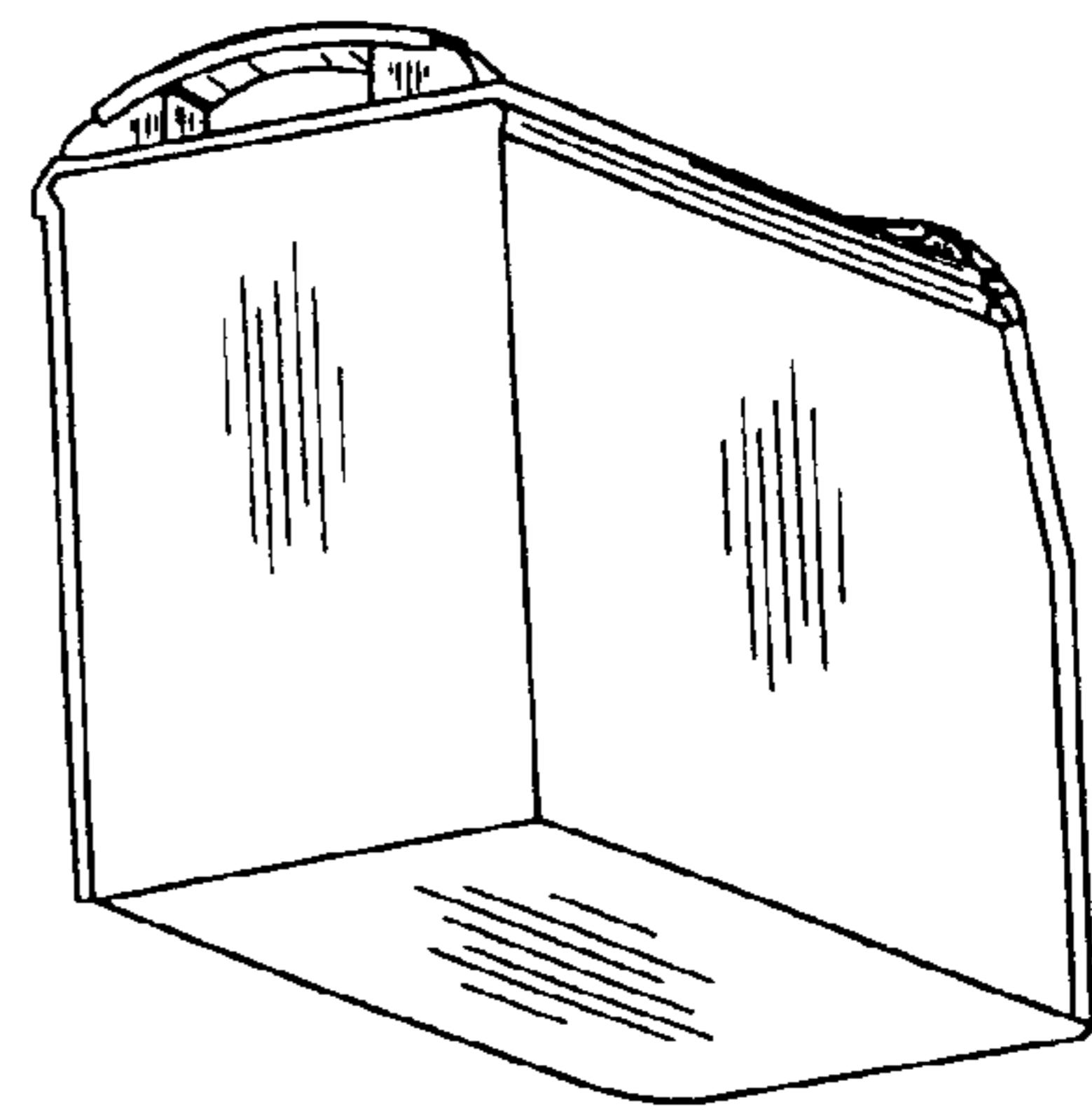
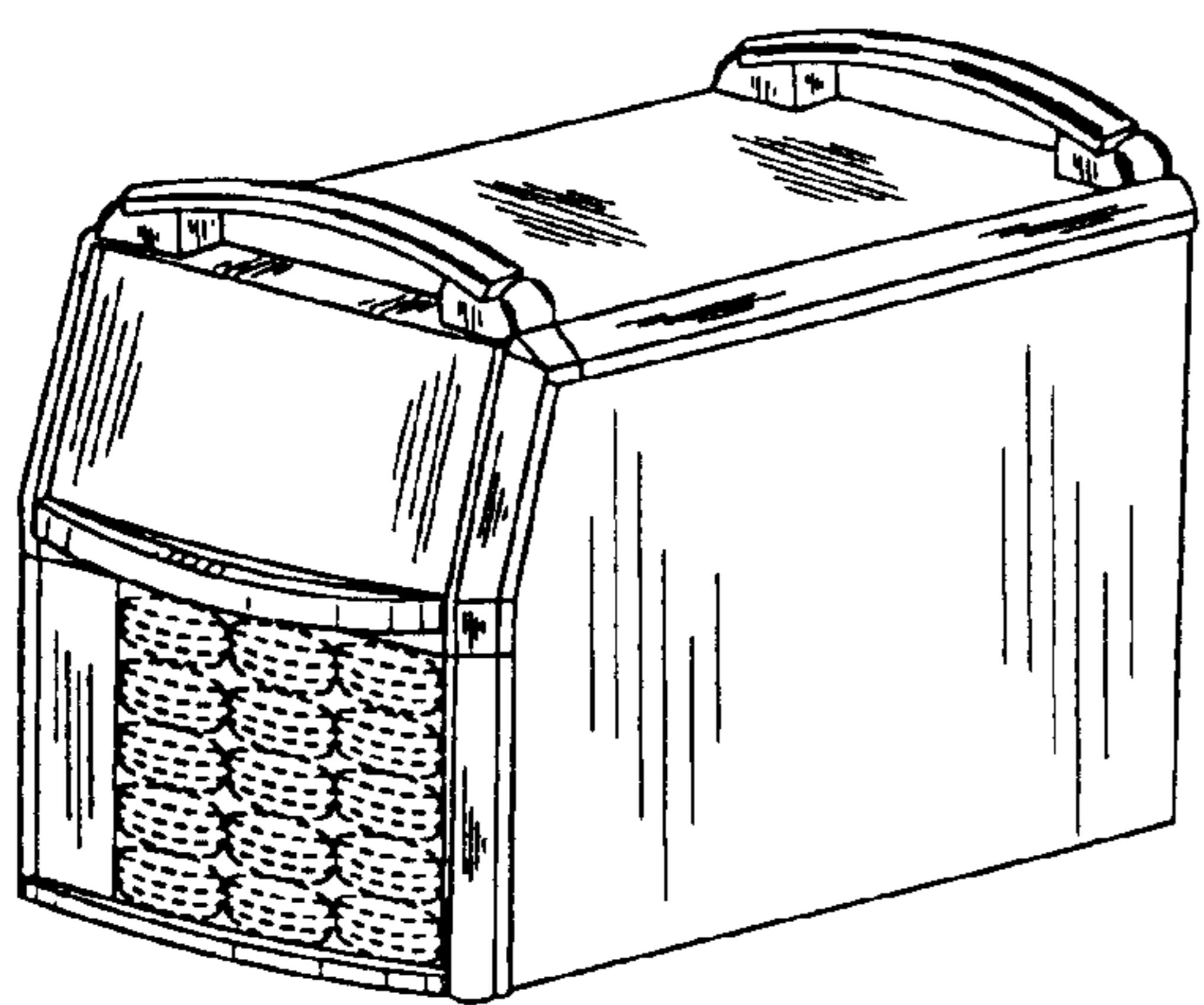
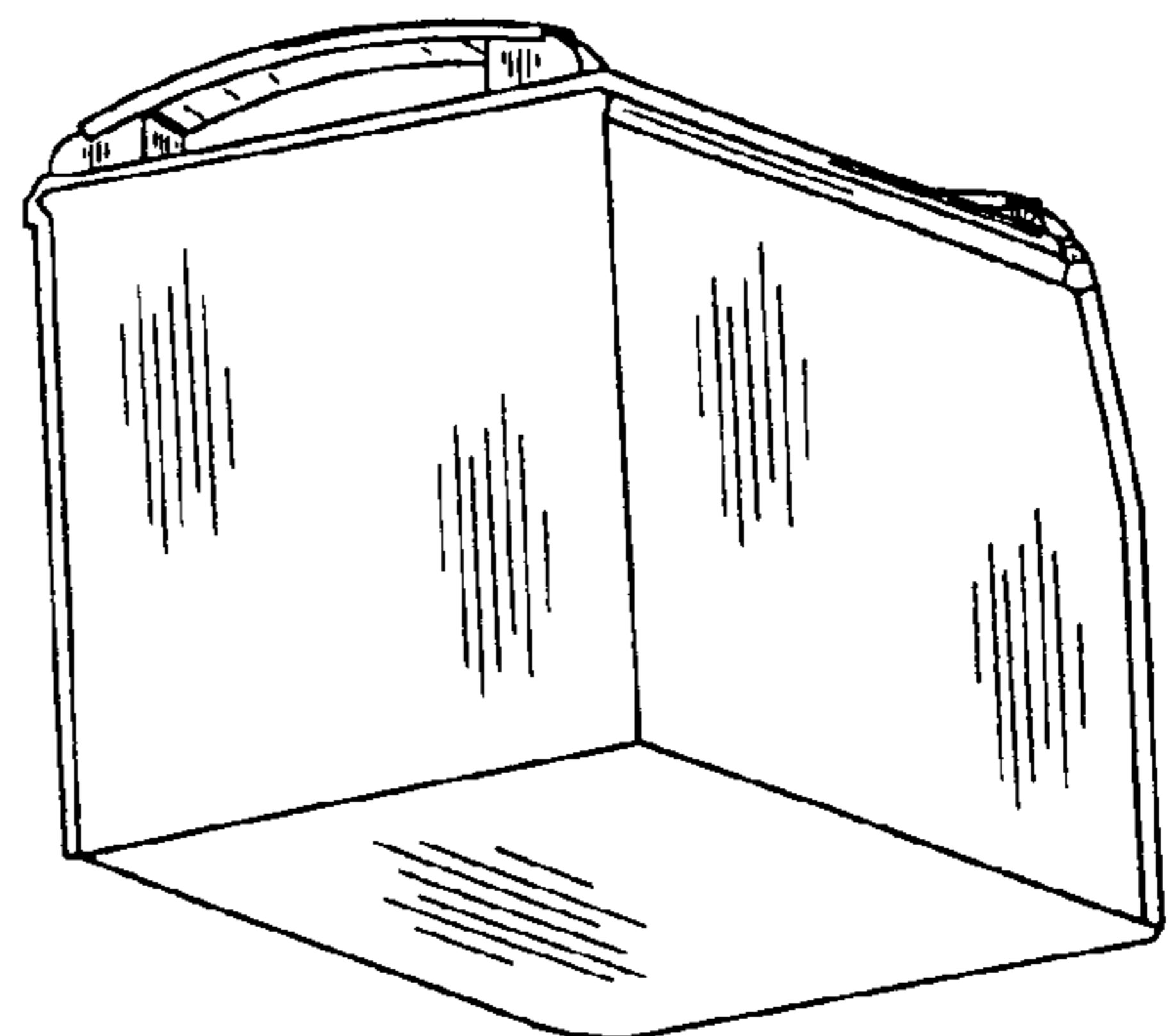
FIG. 23 is a frontal perspective view of a variation of the third embodiment of a welding apparatus with a control panel shown in FIG. 19, with the control panel shown in broken lines; and,

FIG. 24 is a frontal perspective view of a variation of the fourth embodiment of a welding apparatus with a control panel shown in FIG. 20, with the control panel shown in broken lines.

**1 Claim, 12 Drawing Sheets**

**FIG. 1****FIG. 2****FIG. 3****FIG. 4**

**FIG. 5****FIG. 6****FIG. 7****FIG. 8**

**FIG. 9****FIG. 10****FIG. 11****FIG. 12**

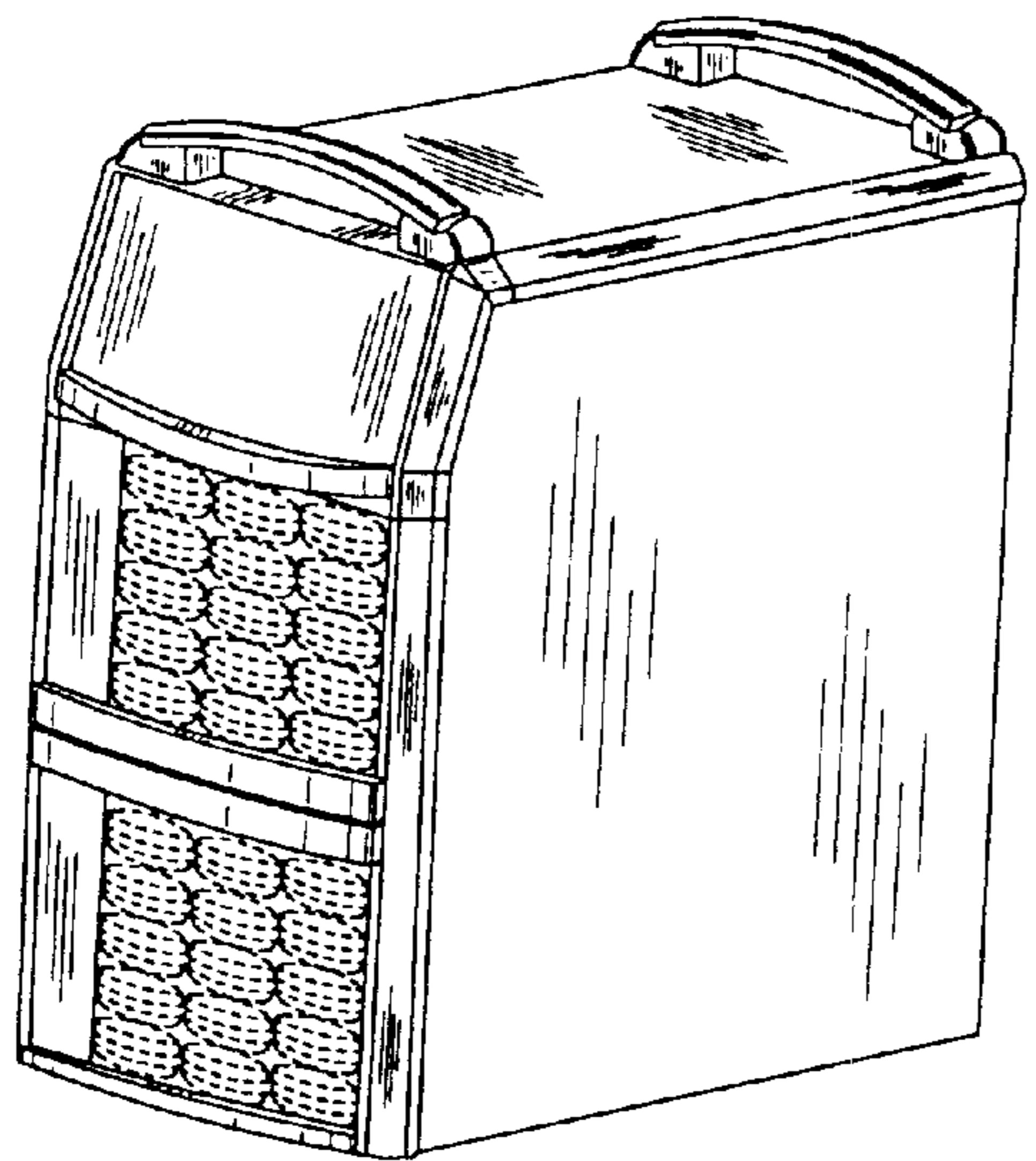


FIG. 13

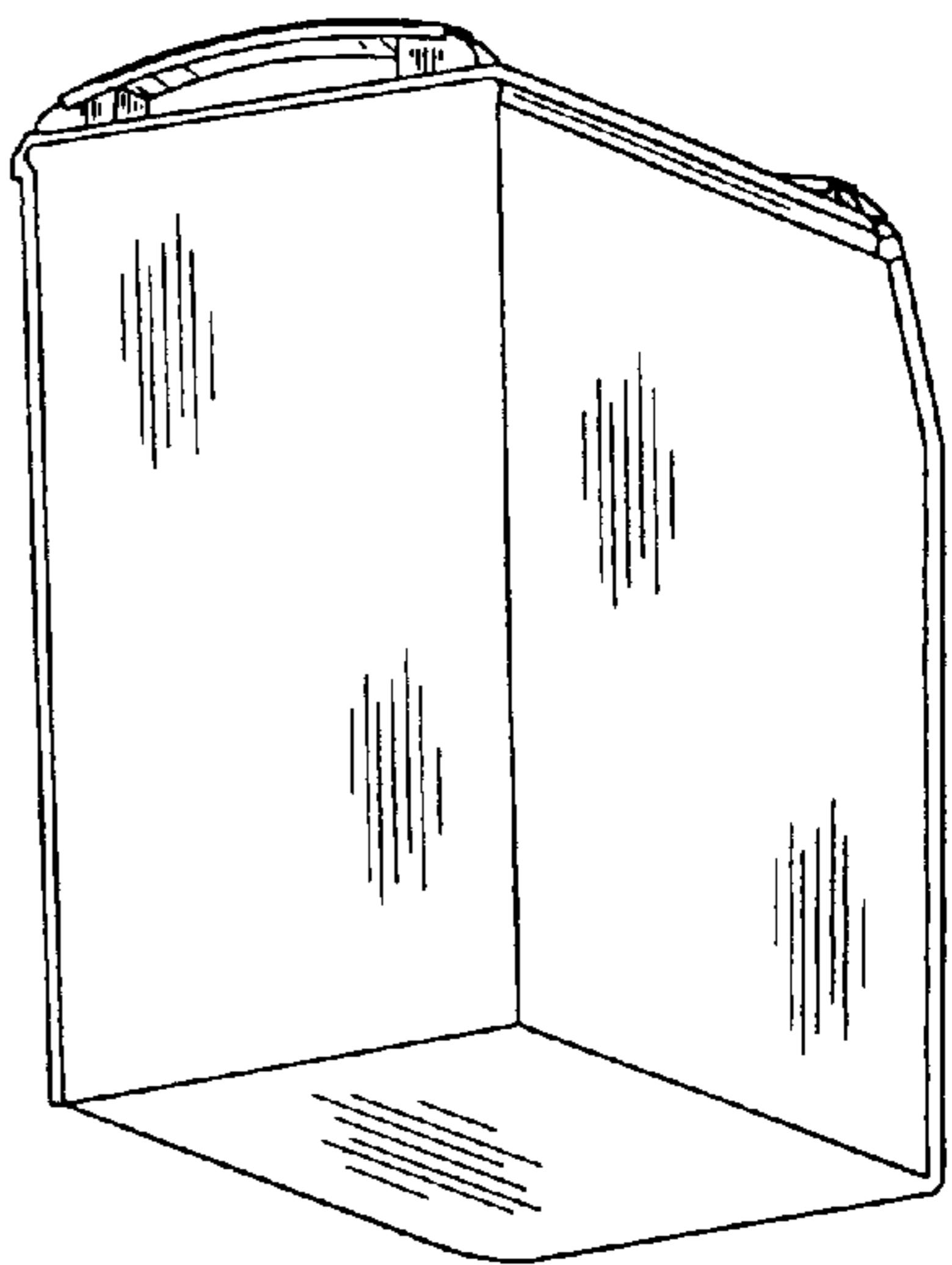


FIG. 14

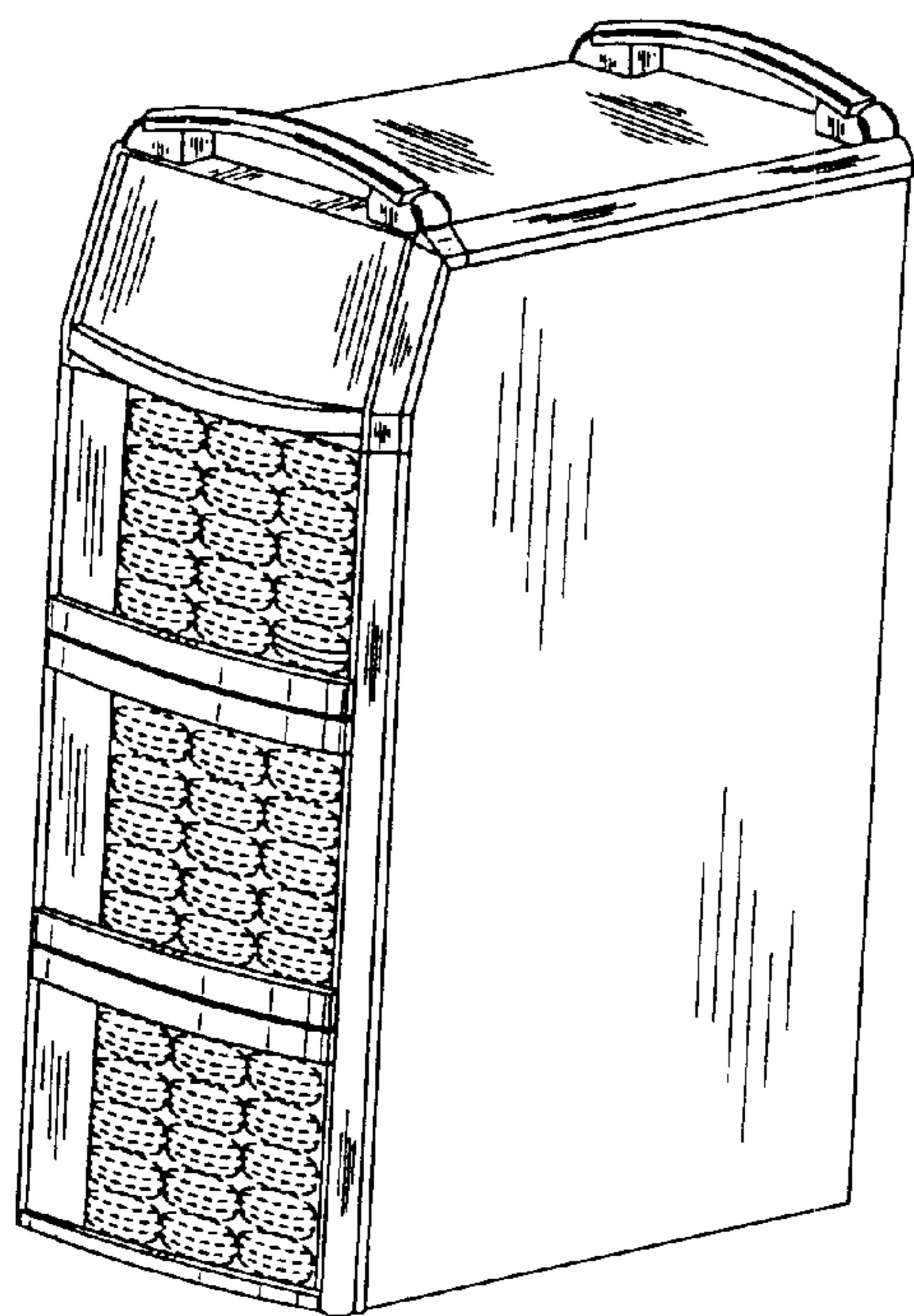


FIG. 15

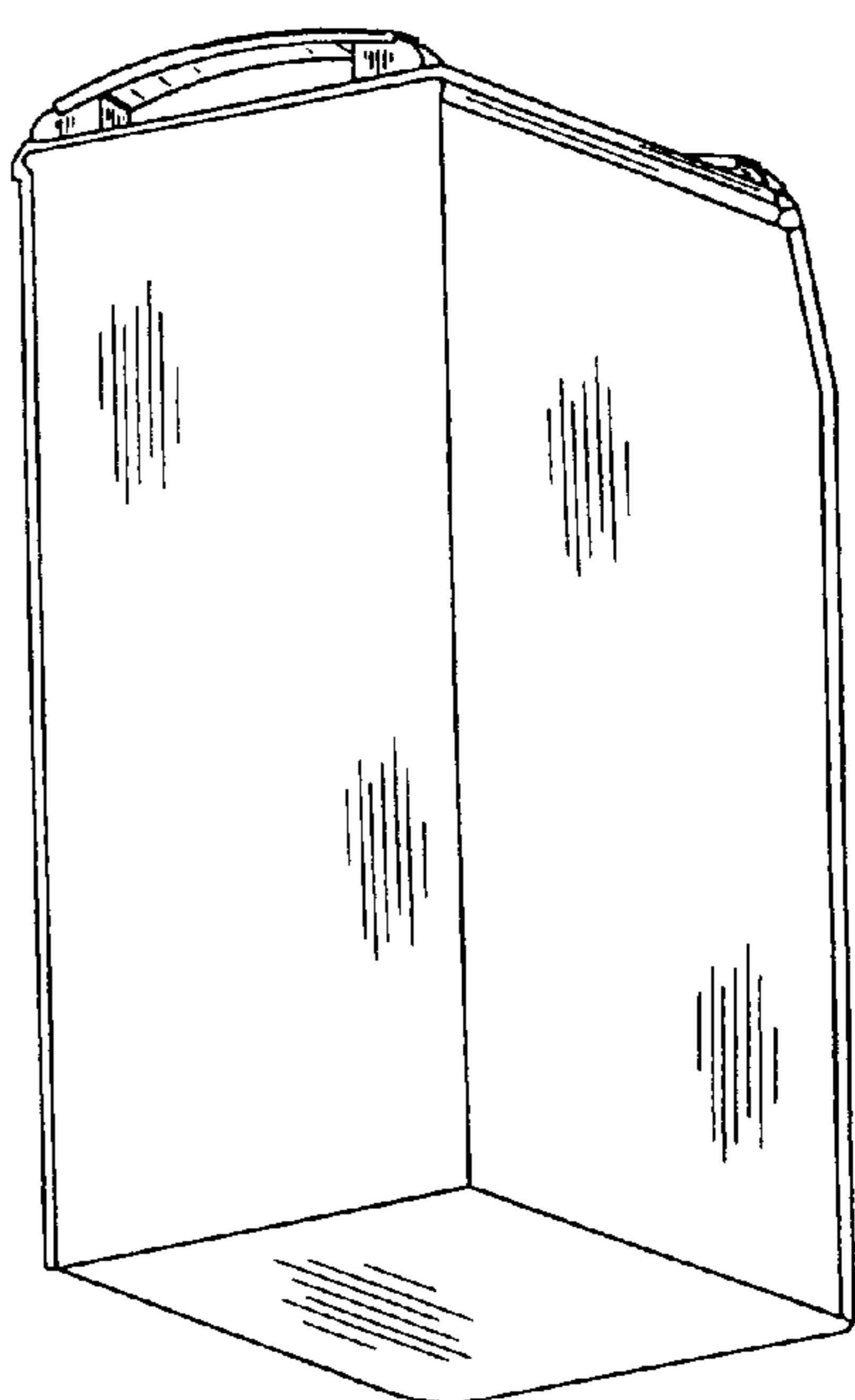


FIG. 16

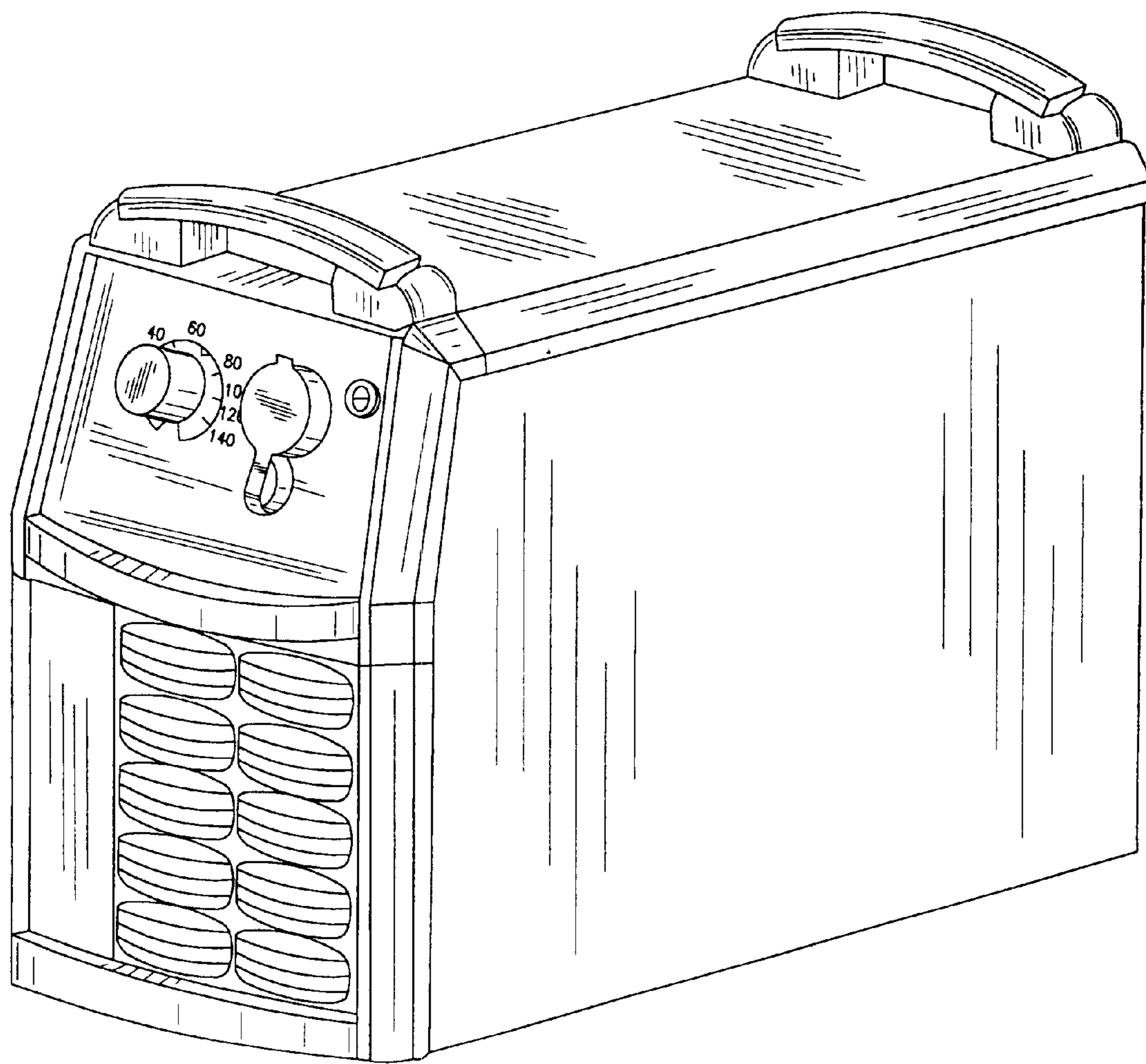
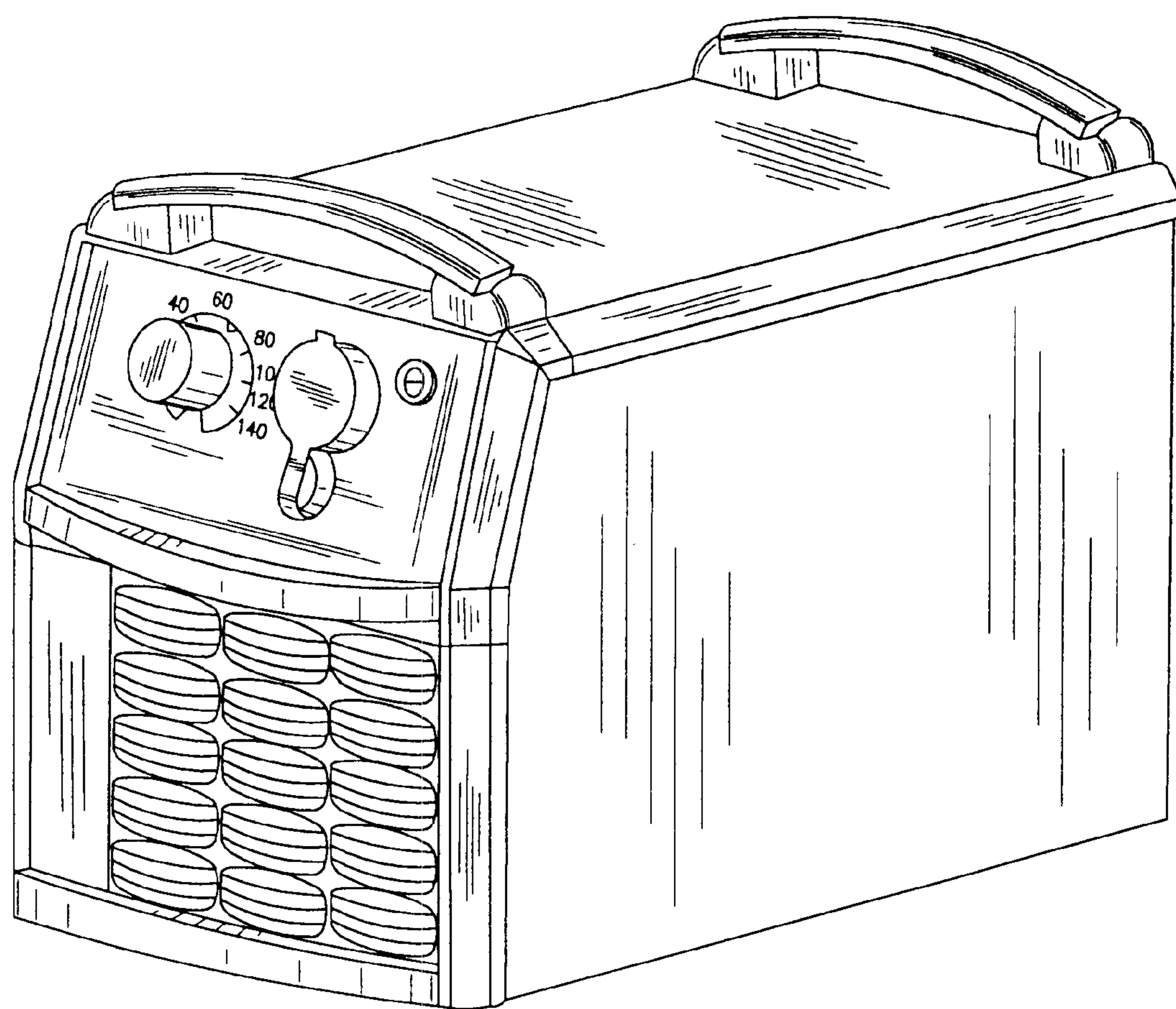


FIG. 17



**FIG. 18**

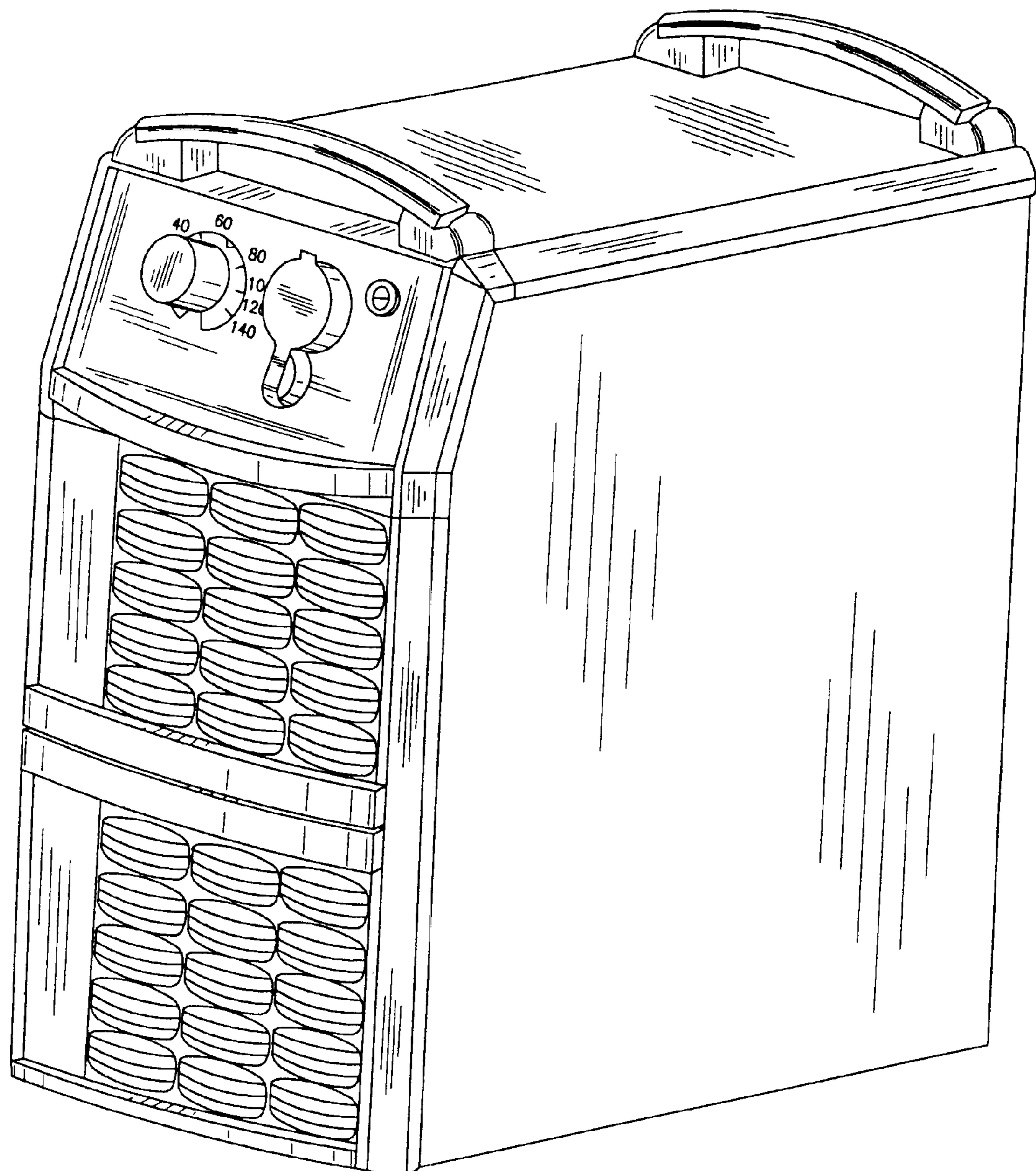


FIG. 19

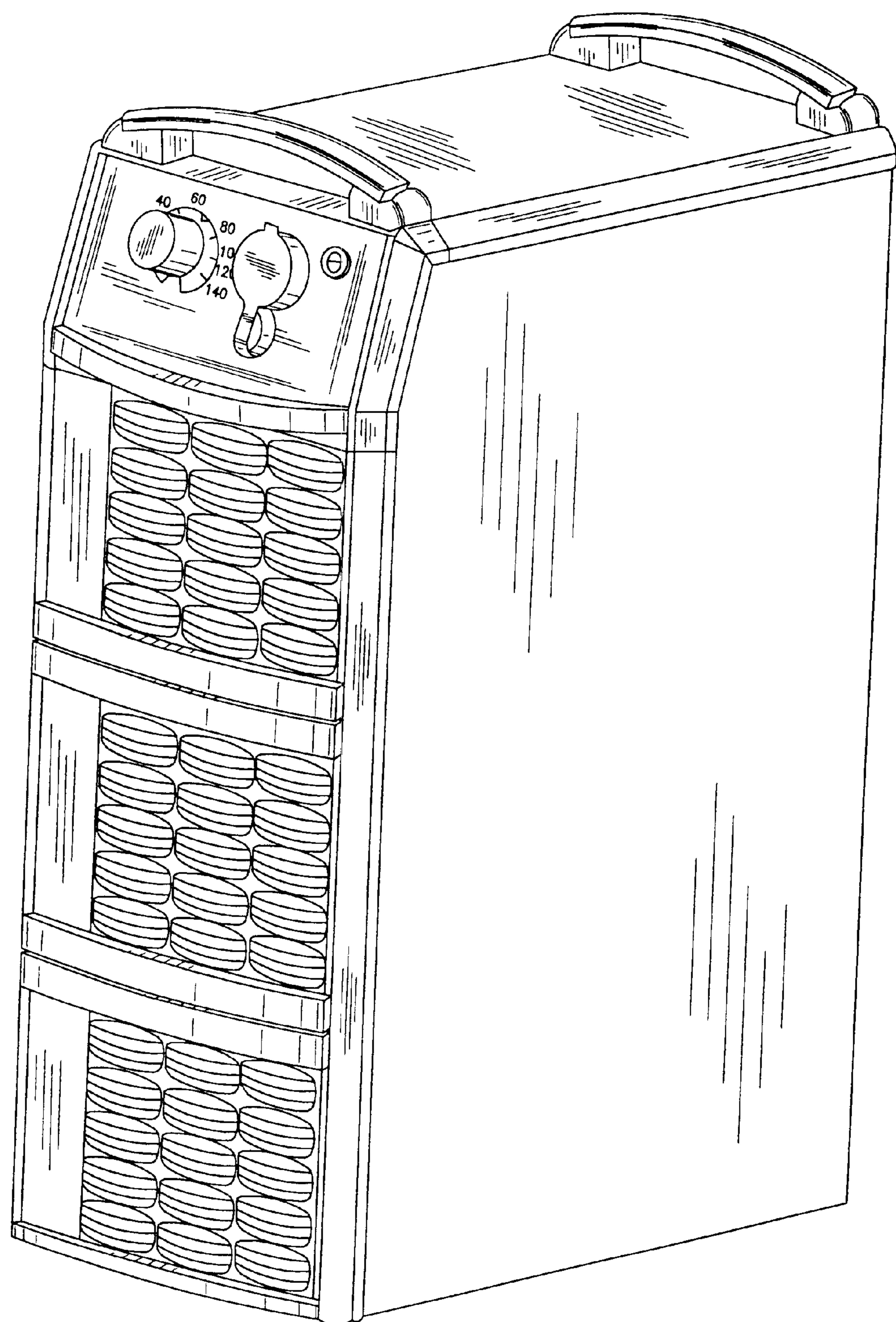
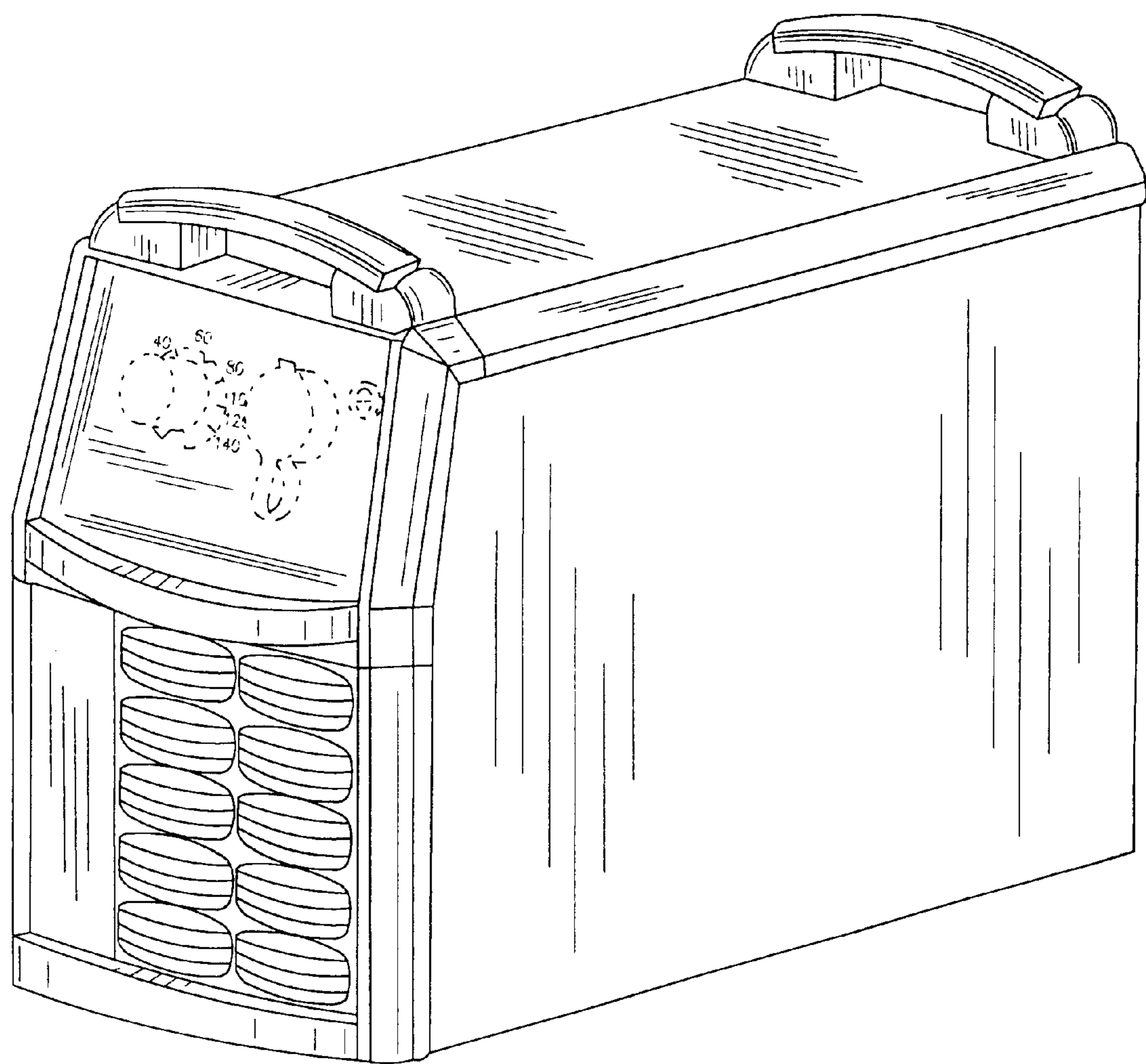


FIG. 20



**FIG. 2I**

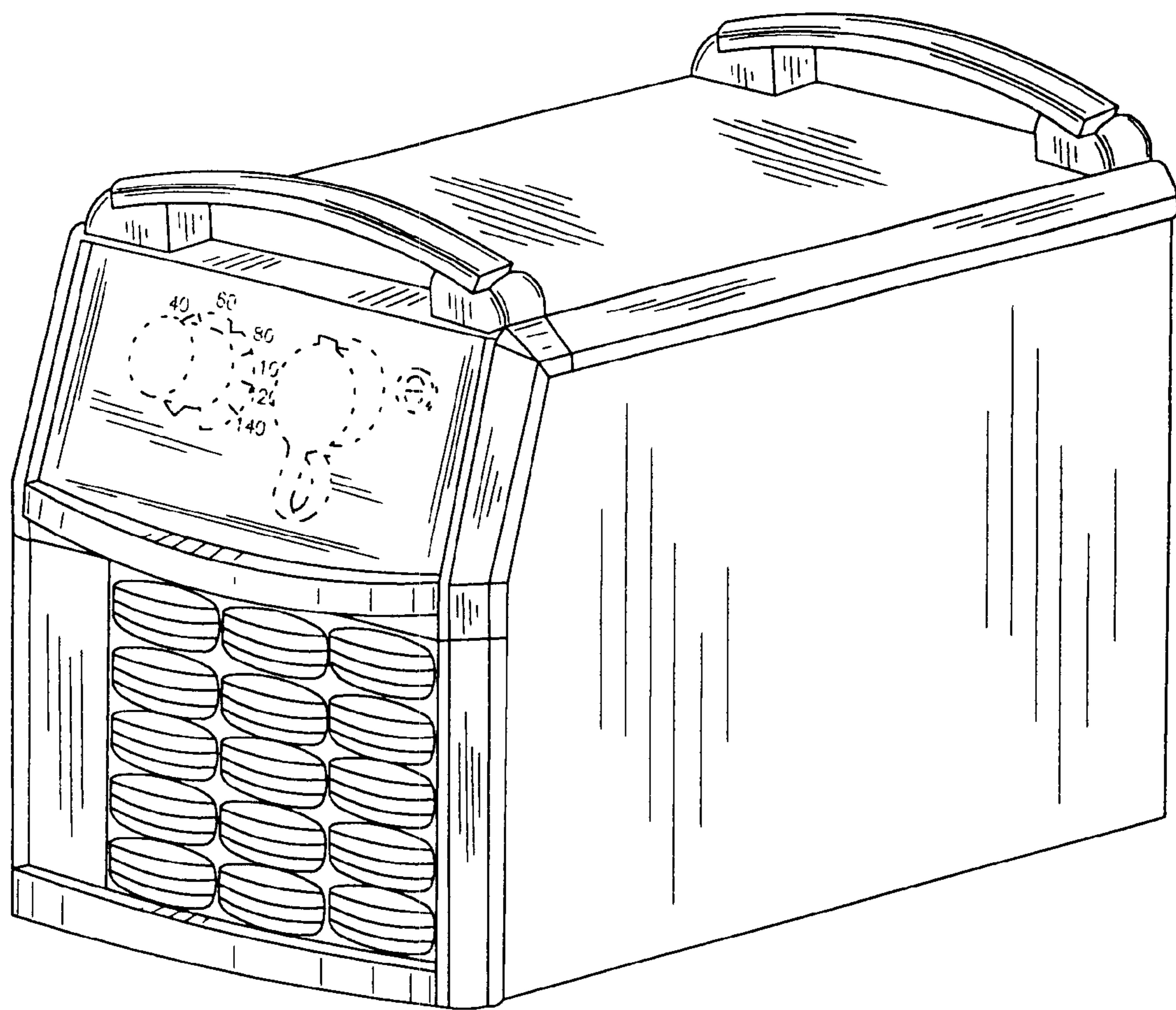
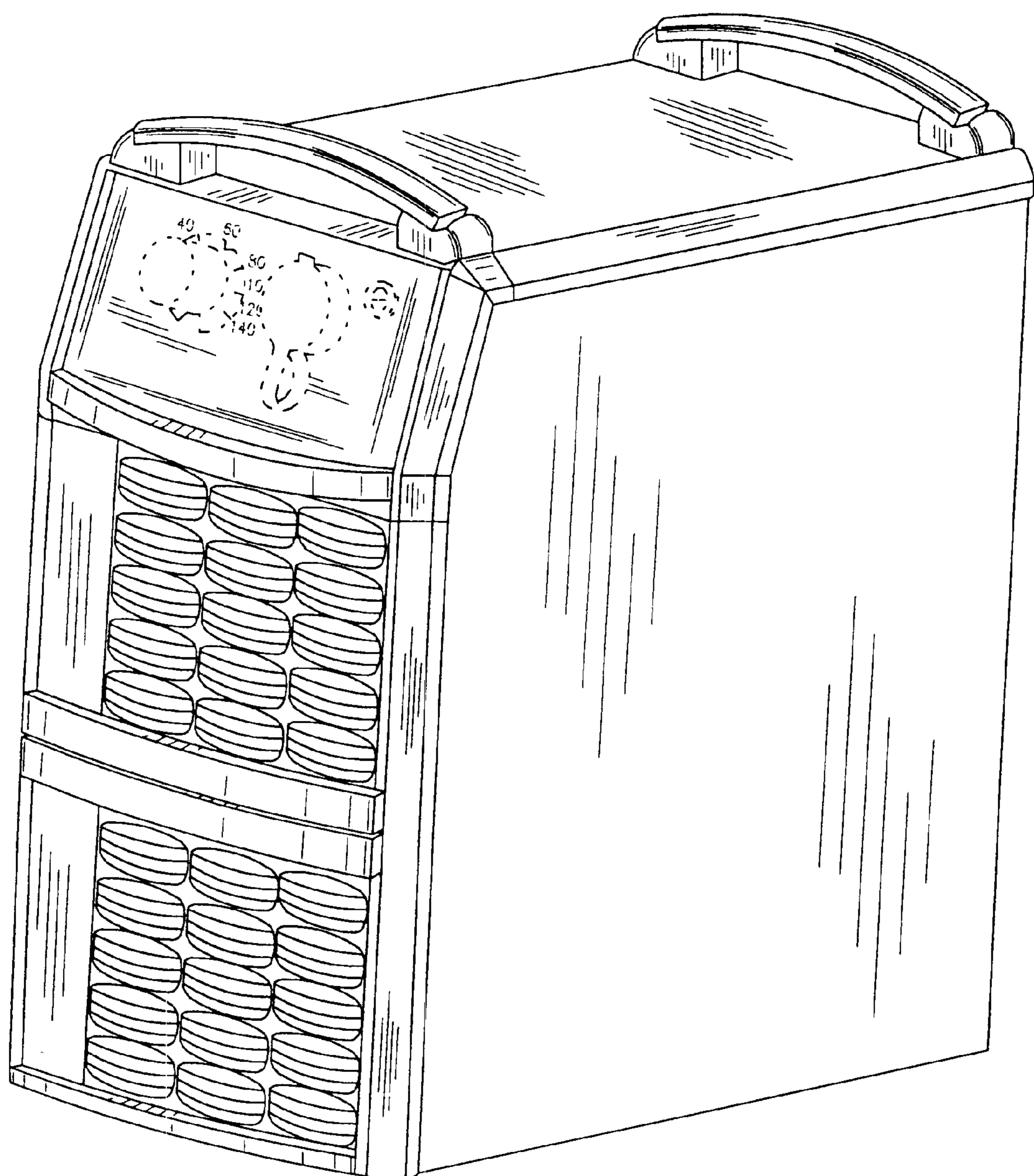


FIG. 22

**FIG. 23**

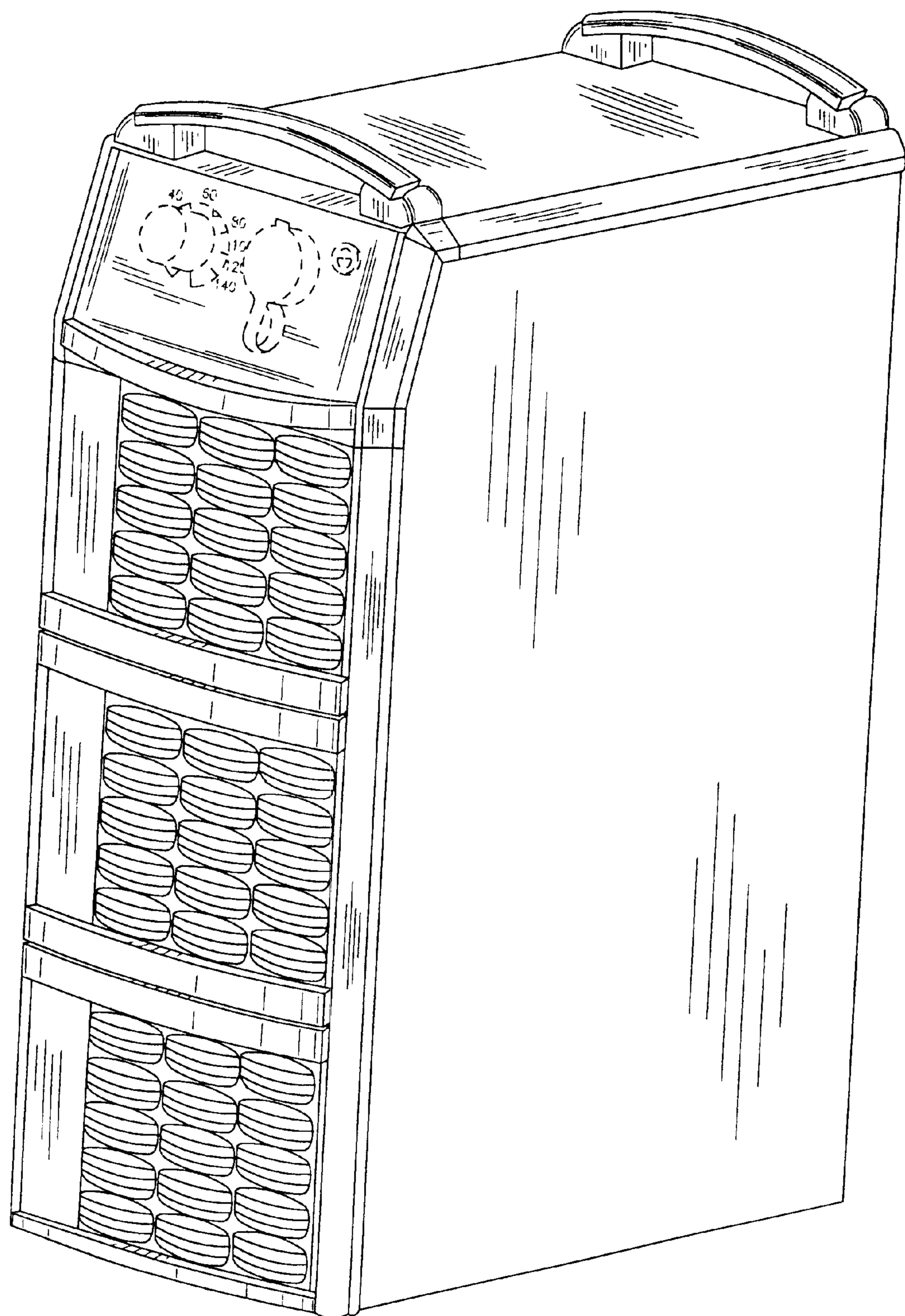


FIG. 24