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

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(54) **CABINET FOR A FREQUENCY CONVERTER**

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

(21) Appl. No.: **29/275,364**

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(30) **Foreign Application Priority Data**

Jul. 5, 2006 (EM) 000559828-0001

(51) **LOC (8) Cl.** **13-02**

(52) **U.S. Cl.** **D13/110**

(58) **Field of Classification Search** D13/184,
D13/110, 101, 112, 122, 199, 123, 162; D14/348,
D14/349, 353, 357, 359, 388; 307/150-152;
361/622, 702, 703, 809, 600, 601, 707, 715,
361/730; 363/141, 15, 35

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D455,399 S * 4/2002 Imamura et al. D13/110
D455,714 S * 4/2002 Kim D13/110
D465,782 S * 11/2002 Johnsen et al. D14/140.4
D510,319 S * 10/2005 Tuomola et al. D13/110
D510,320 S * 10/2005 Tuomola et al. D13/110

D539,736 S * 4/2007 Wu et al. D13/110
D540,252 S * 4/2007 Hsien et al. D13/110
D540,253 S * 4/2007 Tsai et al. D13/110
D541,743 S * 5/2007 Virolainen et al. D13/110
D541,744 S * 5/2007 Virolainen et al. D13/110
D541,745 S * 5/2007 Virolainen et al. D13/110
2005/0126811 A1 * 6/2005 Hirota et al. 174/50.54

* cited by examiner

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(57) **CLAIM**

The ornamental design for a cabinet for a frequency converter, as shown and described.

DESCRIPTION

FIG. 1 is a perspective top, front and left side view of a cabinet for a frequency converter showing our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a top view thereof;

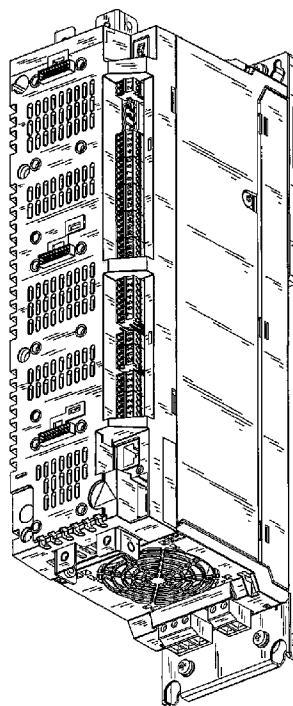
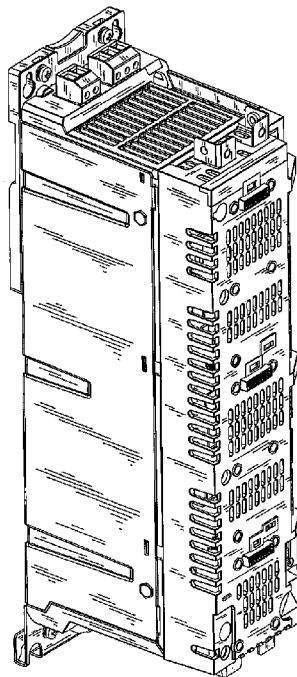
FIG. 6 is a bottom view thereof;

FIG. 7 is a rear view thereof;

FIG. 8 is a perspective front, bottom and right side view thereof; and,

FIG. 9 is a perspective top, rear and left side view thereof.

1 Claim, 9 Drawing Sheets



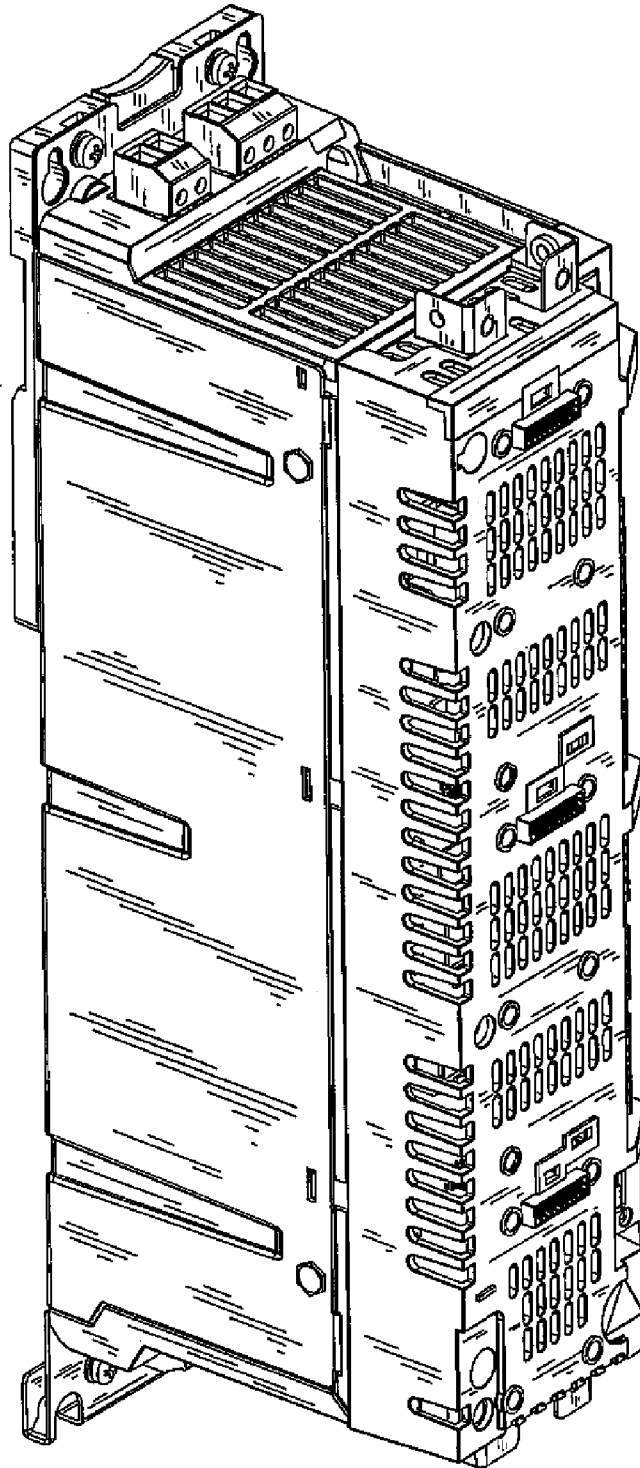


Fig. 1

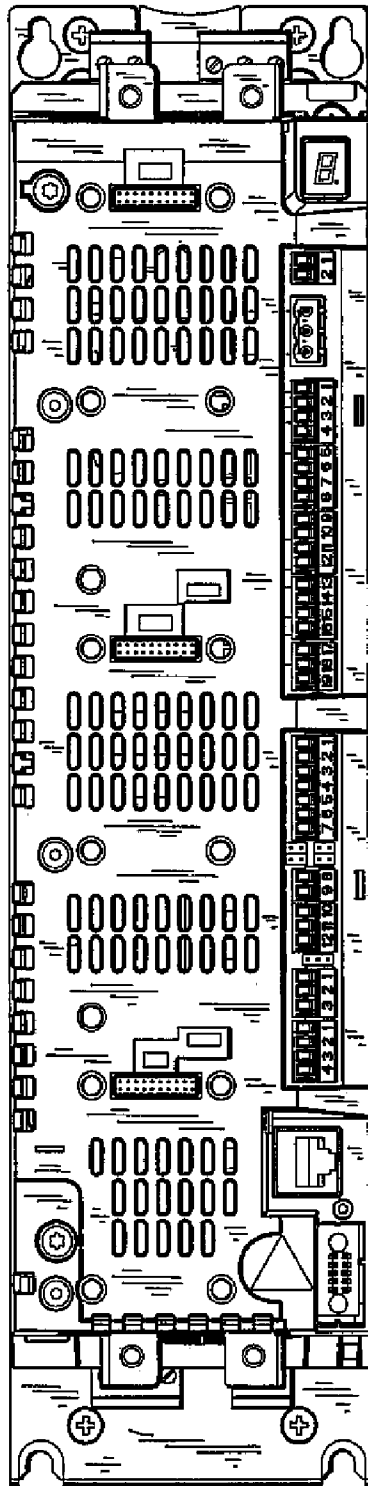


Fig. 2

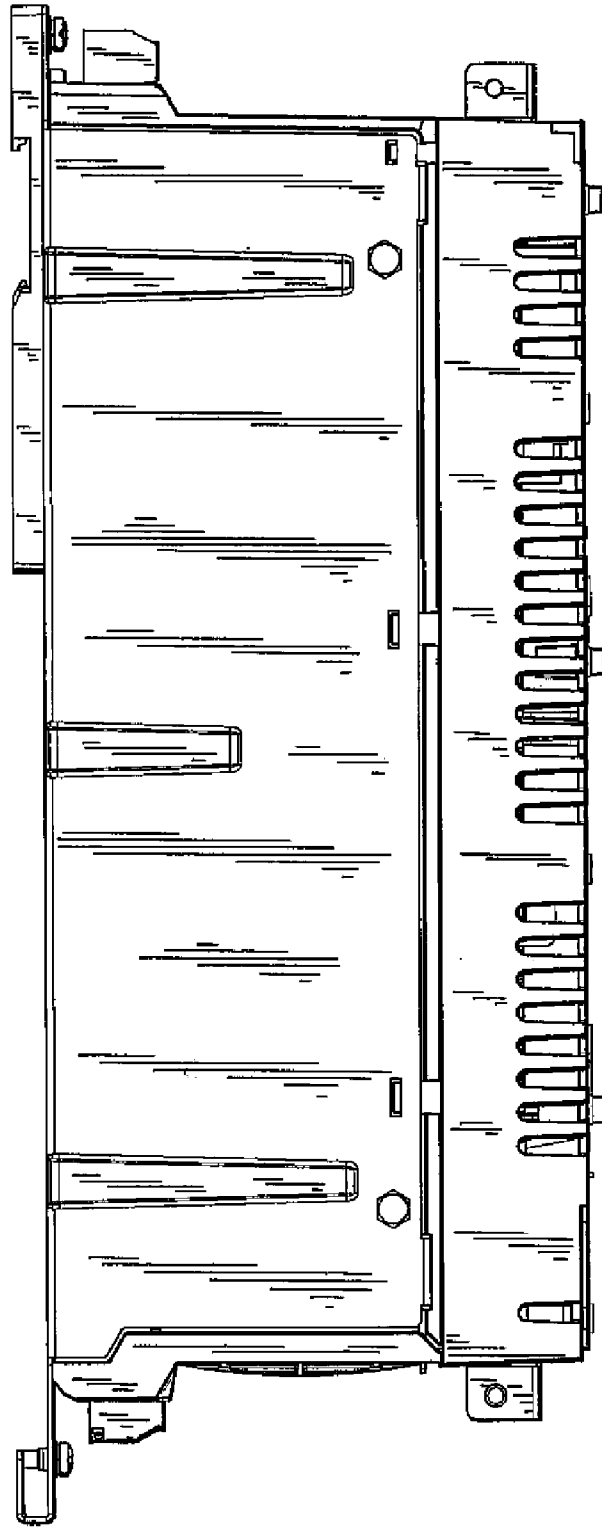


Fig. 3

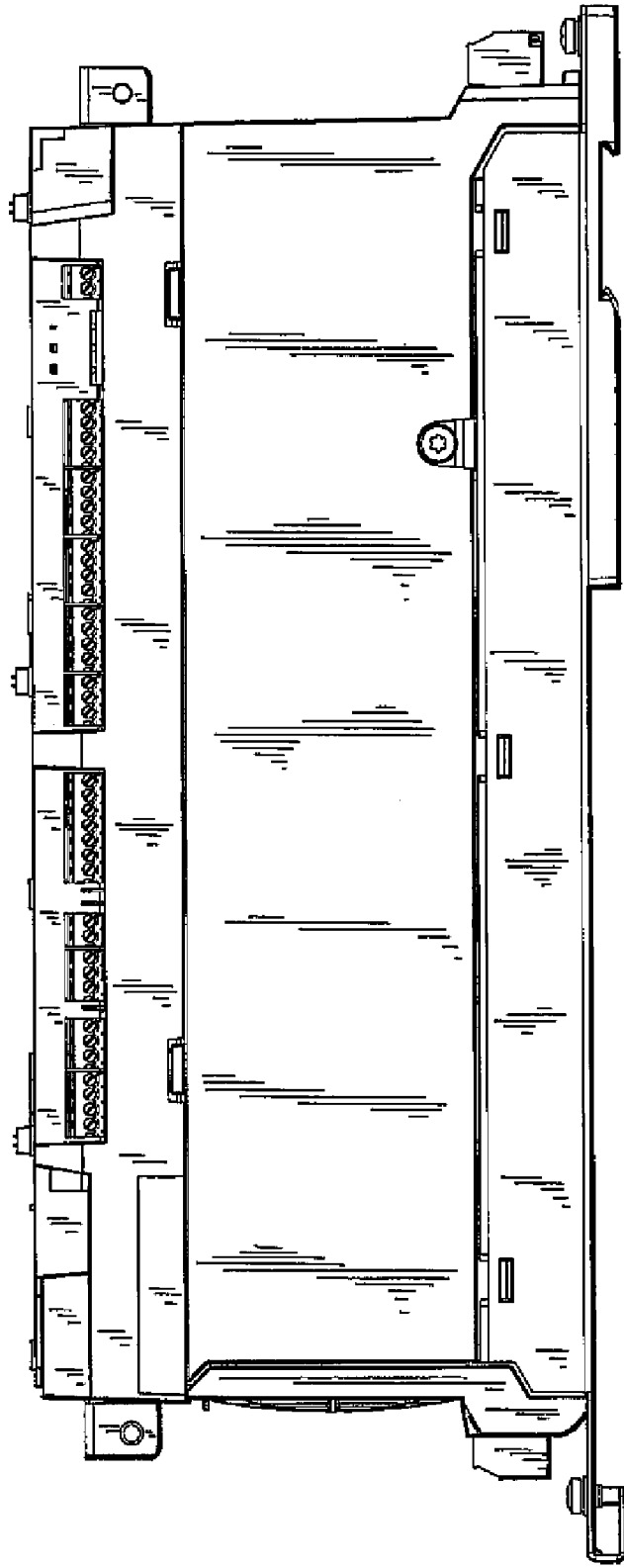


Fig. 4

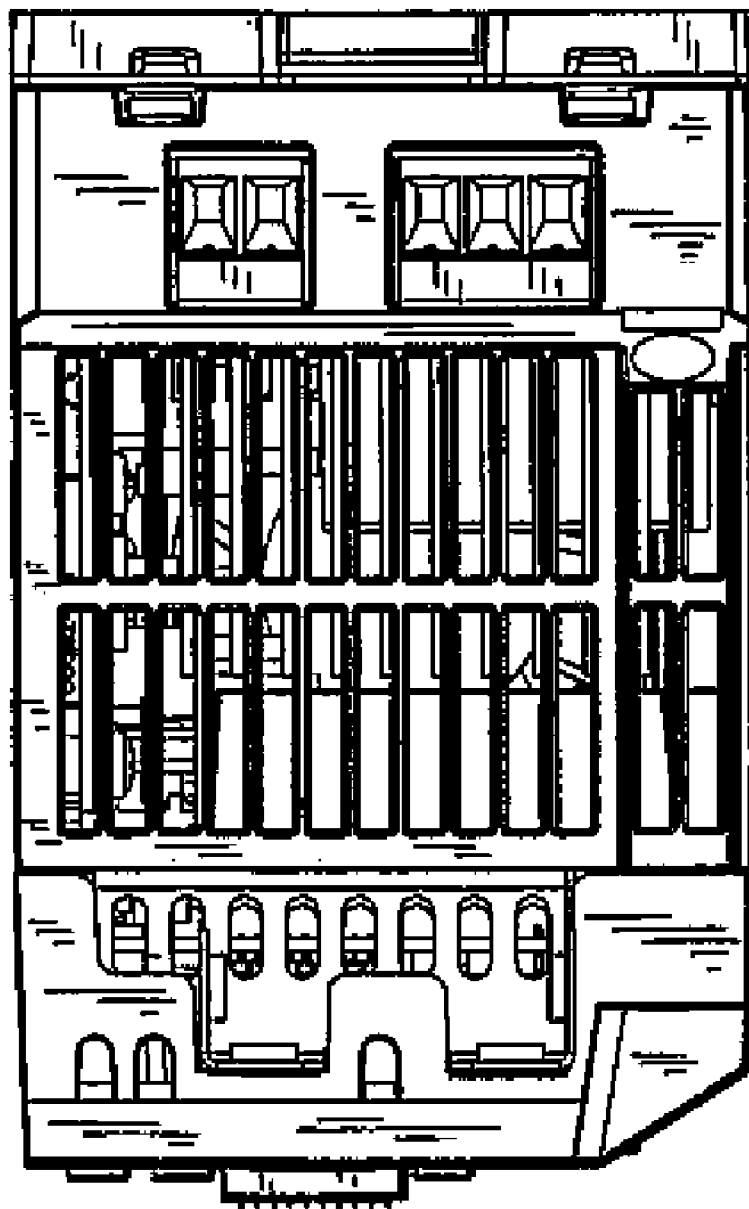


Fig. 5

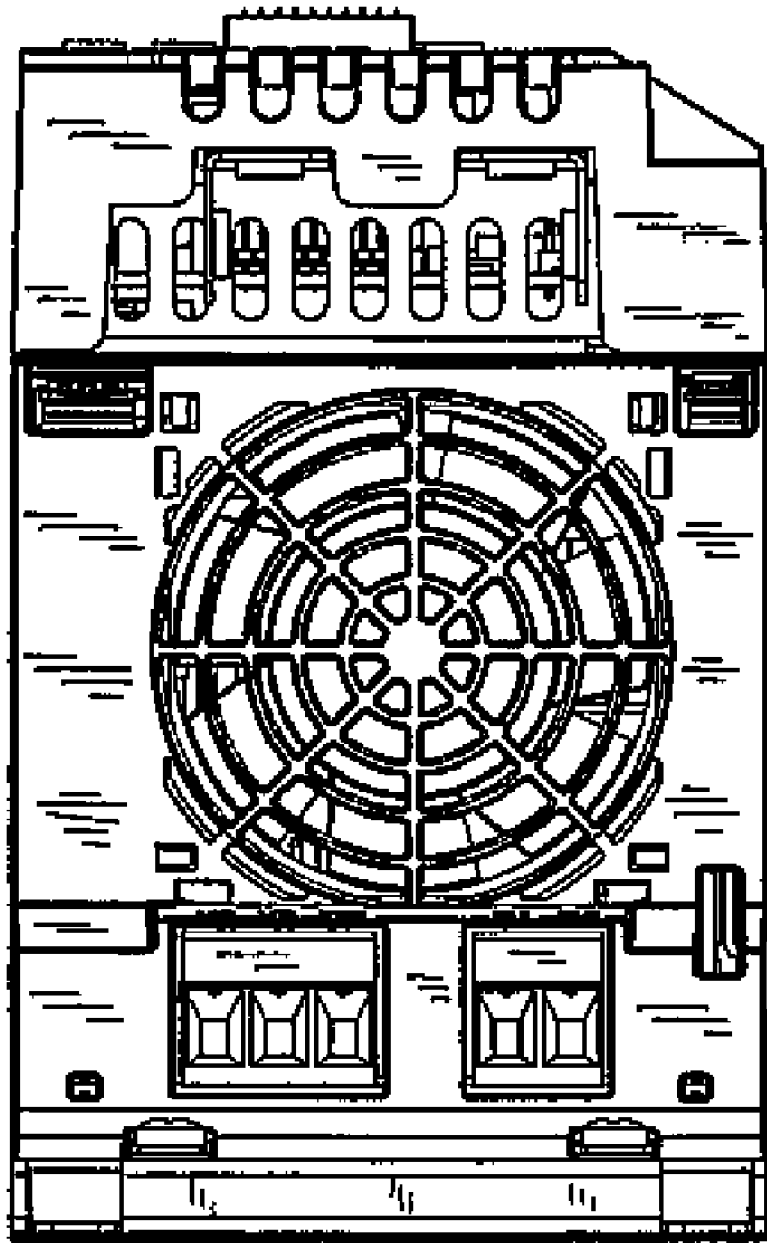


Fig. 6

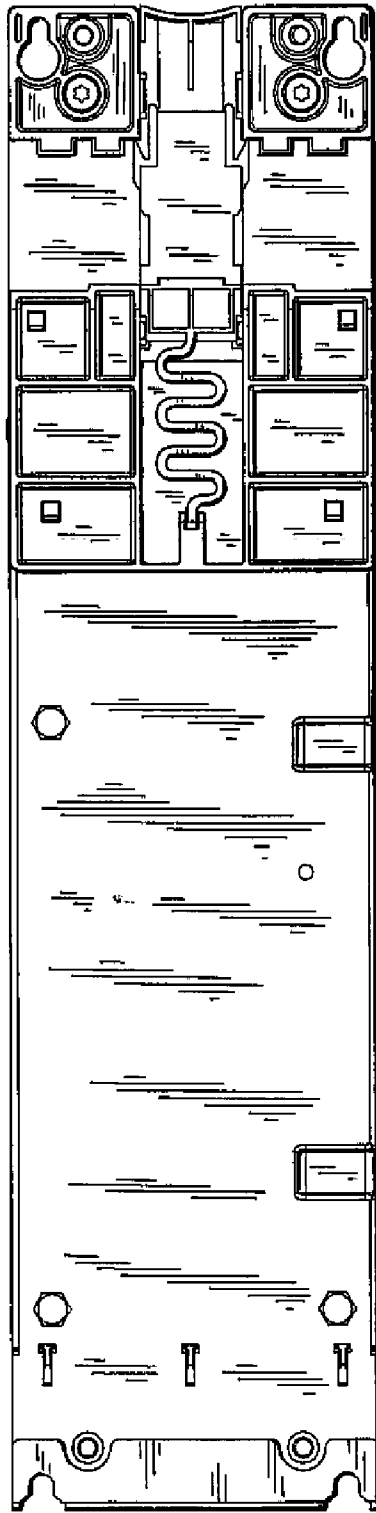


Fig. 7

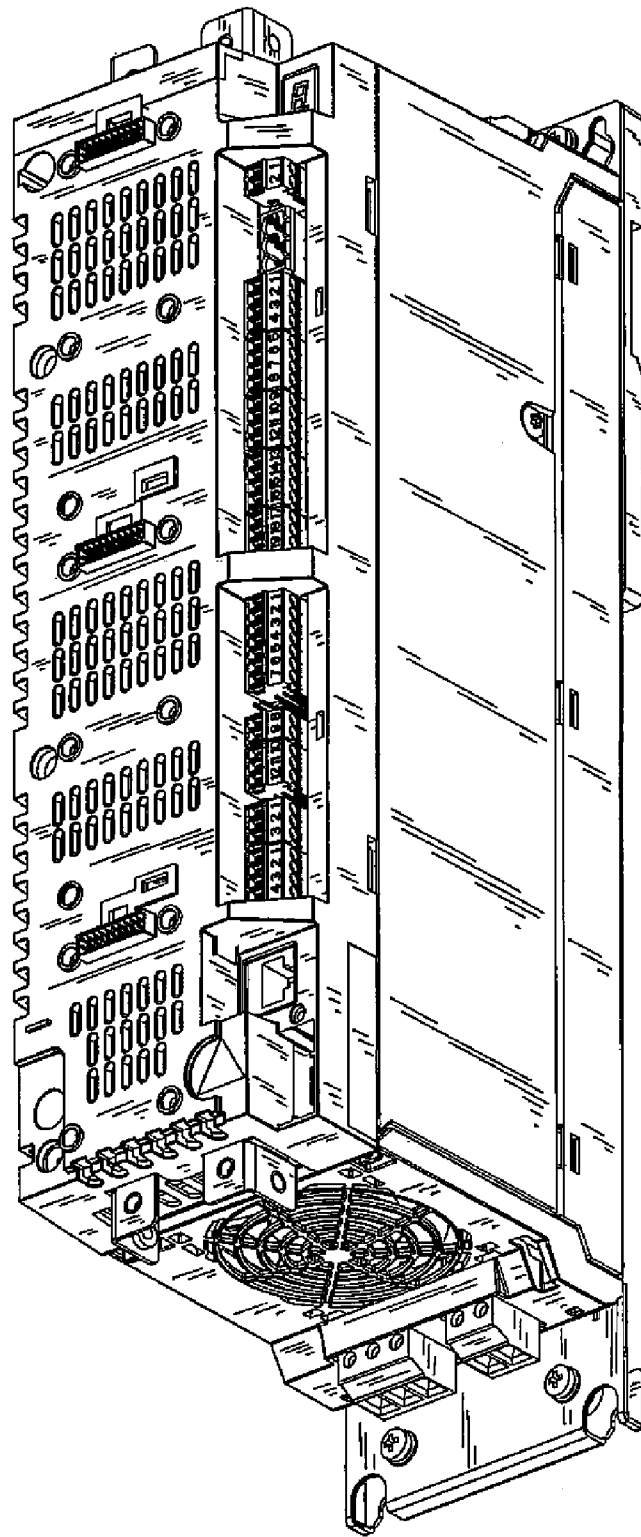


Fig. 8

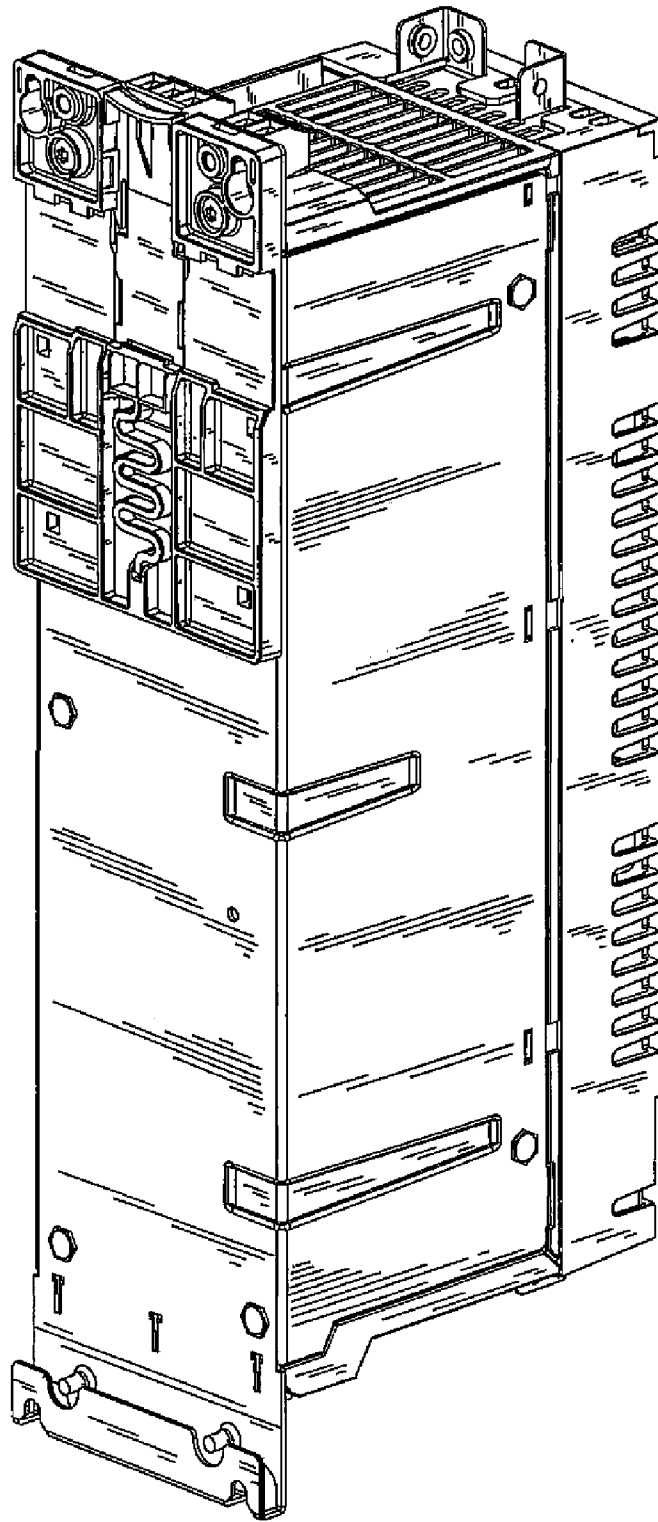


Fig. 9