



US00D829672S

(12) **United States Design Patent** (10) **Patent No.:** **US D829,672 S**
Kato et al. (45) **Date of Patent:** **** Oct. 2, 2018**

- (54) **CONTROLLER FOR SERVOMOTOR**
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- (**) Term: **15 Years**
- (21) Appl. No.: **29/583,584**
- (22) Filed: **Nov. 7, 2016**

Related U.S. Application Data

- (62) Division of application No. 29/516,793, filed on Feb. 5, 2015, now Pat. No. Des. 812,019.

(30) **Foreign Application Priority Data**

- Oct. 9, 2014 (JP) 2014-022700
- Oct. 20, 2014 (JP) 2014-022698
- Oct. 20, 2014 (JP) 2014-022699
- (51) **LOC (11) Cl.** **13-03**
- (52) **U.S. Cl.**
USPC **D13/162**
- (58) **Field of Classification Search**
USPC D13/110, 123, 158, 160, 162, 162.1;
D14/188
CPC .. G05D 3/1409; G05D 3/1418; G05D 3/1427;
H02H 3/253
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D366,243 S 1/1996 Kurokawa et al.
 - D366,244 S 1/1996 Kurokawa et al.
 - D366,867 S 2/1996 Kurokawa et al.
- (Continued)

FOREIGN PATENT DOCUMENTS

- CN 302752844 * 9/2013
- JP D1436538 S 3/2012
- JP D1436539 S 3/2012

OTHER PUBLICATIONS

An Office Action; "Notification of Reasons for Refusal," issued by the Japanese Patent Office dated Feb. 3, 2015, which corresponds to Japanese Design Patent Application No. 2014-022698 and is related to Design U.S. Appl. No. 29/516,793; with English language translation.

An Office Action; "Notification of Reasons for Refusal," issued by the Japanese Patent Office dated Feb. 3, 2015, which corresponds to Japanese Design Patent Application No. 2014-022699 and is related to Design U.S. Appl. No. 29/516,793; with English language translation.

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(57) **CLAIM**

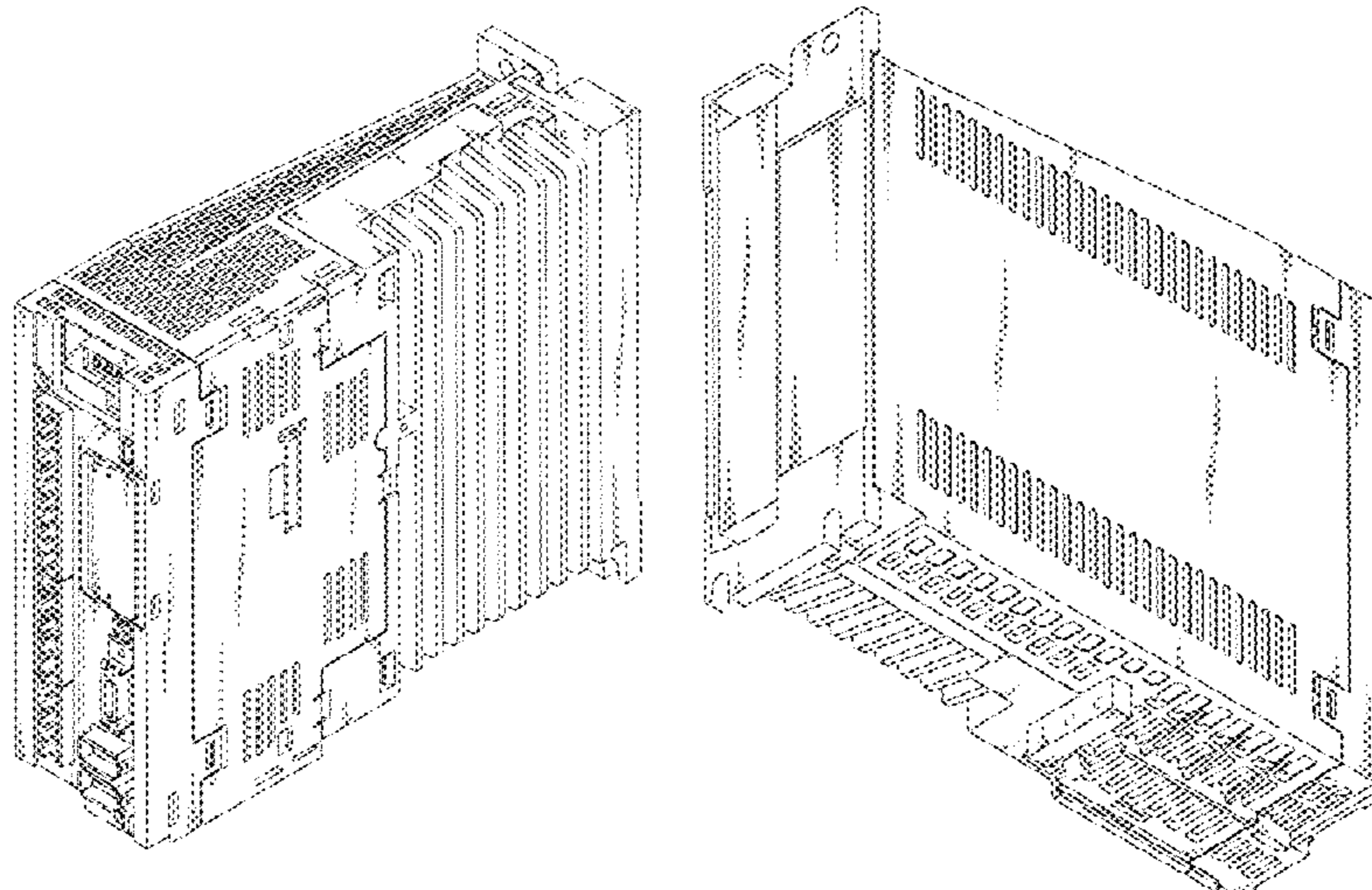
The ornamental design for controller for servomotor, as shown and described.

DESCRIPTION

FIG. 1 is a top front perspective view of a controller for servomotor, showing our new design;
 FIG. 2 is a bottom rear perspective view thereof;
 FIG. 3 is a front view thereof;
 FIG. 4 is a rear view thereof;
 FIG. 5 is a left side view thereof;
 FIG. 6 is a right side view thereof;
 FIG. 7 is a top view thereof; and,
 FIG. 8 is a bottom view thereof.

The broken lines in the figures are shown to illustrate portions of the controller for servomotor and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D449,817 S	*	10/2001	Takeuchi	D13/110
D455,399 S	*	4/2002	Imamura	D13/110
D456,782 S		5/2002	Nagai et al.	
D478,061 S		8/2003	Abe et al.	
D479,219 S		9/2003	Abe et al.	
D608,300 S		1/2010	Boyland et al.	
D609,195 S		2/2010	Yamashita et al.	
D621,350 S		8/2010	Huang et al.	
D621,351 S		8/2010	Huang et al.	
D623,592 S		9/2010	Huang et al.	
D631,436 S		1/2011	Huang et al.	
D660,799 S	*	5/2012	Grunwald	D13/123
D661,254 S	*	6/2012	Grunwald	D13/123
D666,150 S	*	8/2012	Grunwald	D13/123
D705,091 S	*	5/2014	Andersson	D10/50
D724,051 S		3/2015	Nakahira et al.	
D724,052 S		3/2015	Nakahira et al.	
D737,242 S		8/2015	Nakahira et al.	
D758,969 S		6/2016	Kato et al.	

OTHER PUBLICATIONS

An Office Action; "Notification of Reasons for Refusal," issued by the Japanese Patent Office dated Feb. 3, 2015, which corresponds to Japanese Design Patent Application No. 2014-022700 and is related to Design U.S. Appl. No. 29/516,793; with English language translation.

* cited by examiner

FIG. 1

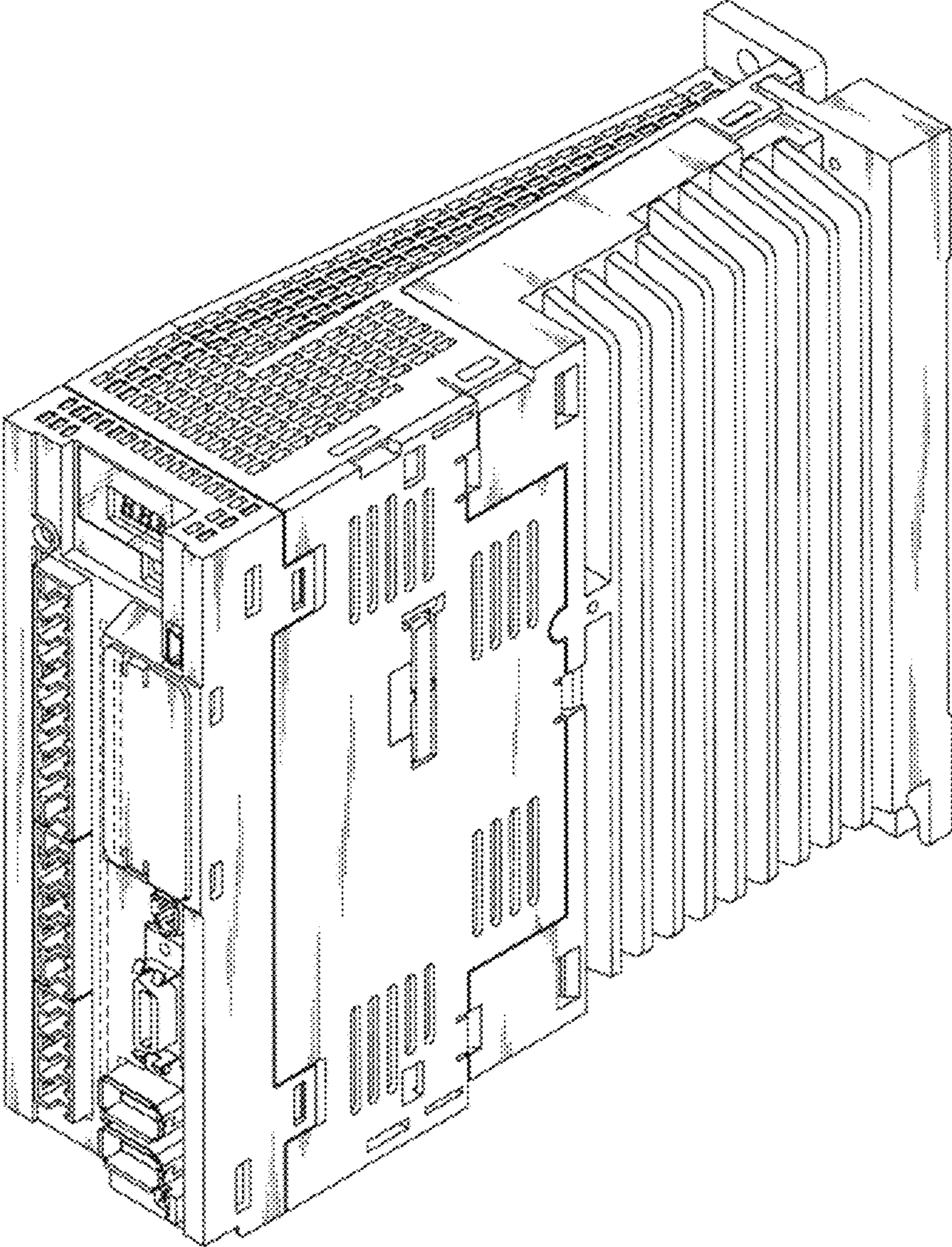


FIG. 2

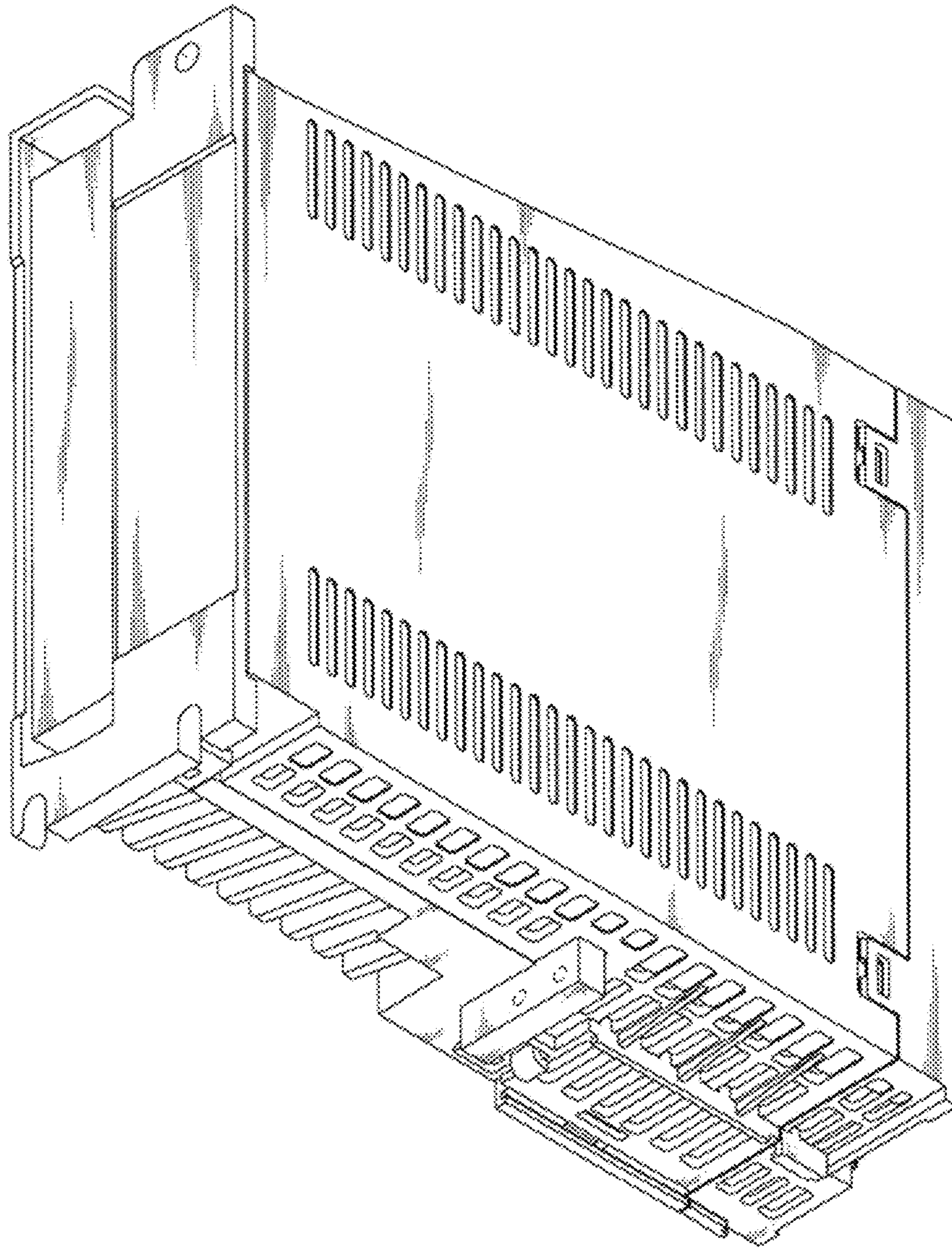


FIG. 3

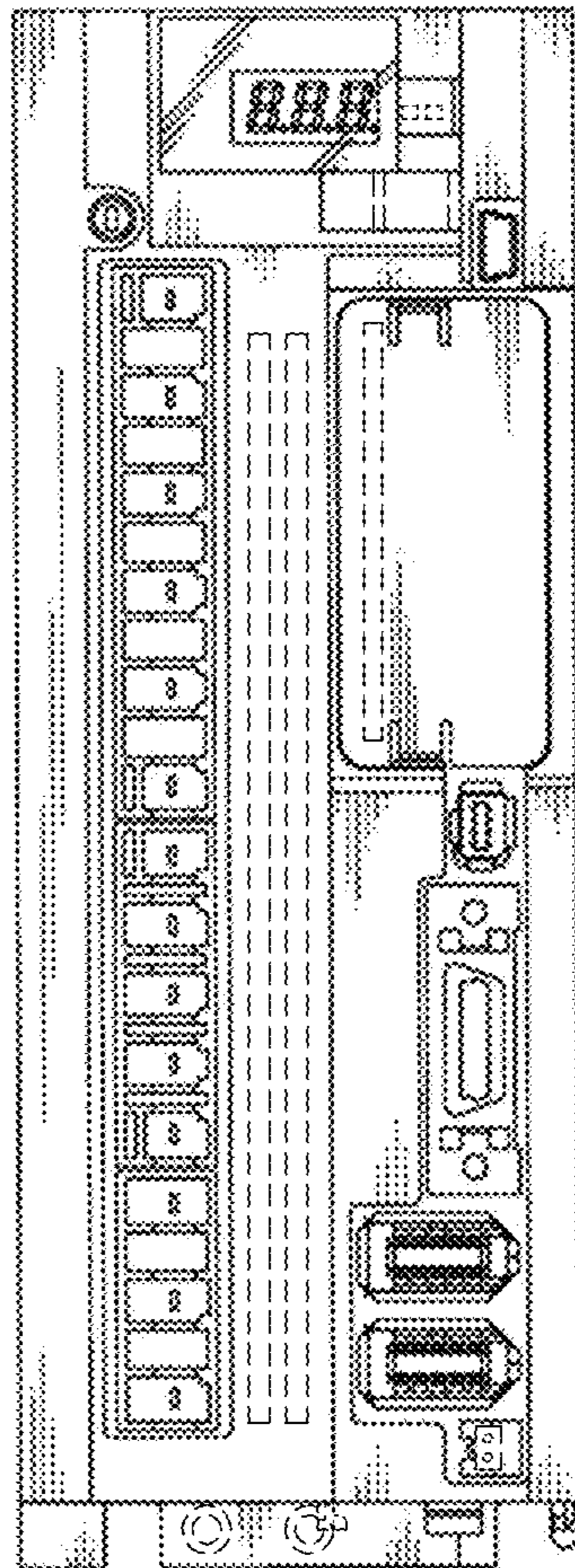


FIG. 4

