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(12) **United States Design Patent** (10) **Patent No.:** **US D854,497 S**
Lau et al. (45) **Date of Patent:** **** Jul. 23, 2019**

(54) **BATTERY CHARGER**
(71) Applicant: **Delta-Q Technologies Corp.**, Burnaby (CA)

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

Chen et al., "Digital Control for Improved Efficiency and Reduced Harmonic Distortion Over Wide Load Range in Boost PFC Rectifiers," *IEEE Transactions on Power Electronics* 25(10):2683-2692, Oct. 2010.

(21) Appl. No.: **29/586,567**

(Continued)

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(51) **LOC (11) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/108**

(58) **Field of Classification Search**
USPC D13/107-110, 118-119, 184; D14/251, D14/253, 432, 434

CPC Y02E 60/12; Y02T 90/14; Y02T 90/122; Y02T 90/128; Y02T 90/163; H02J 7/025; H02J 7/0042; H02J 7/0044; H02J 7/0045; H02J 7/0003; H01F 38/14; H01R 13/6675; H01M 2/1022; H01M 2/1055; H01M 10/44; H01M 10/46; H01M 10/425; B60L 11/182

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a battery charger, as shown and described.

DESCRIPTION

FIG. 1 is a top right-front isometric view of a battery charger showing our new design.

FIG. 2 is a bottom left-rear isometric view thereof.

FIG. 3 is a top left-rear isometric view thereof.

FIG. 4 is a bottom right-rear isometric view thereof.

FIG. 5 is a top plan view thereof.

FIG. 6 is a bottom plan view thereof.

FIG. 7 is a front elevational view thereof.

FIG. 8 is a rear elevational view thereof.

FIG. 9 is a left side elevational view thereof; and,

FIG. 10 is a right side elevational view thereof.

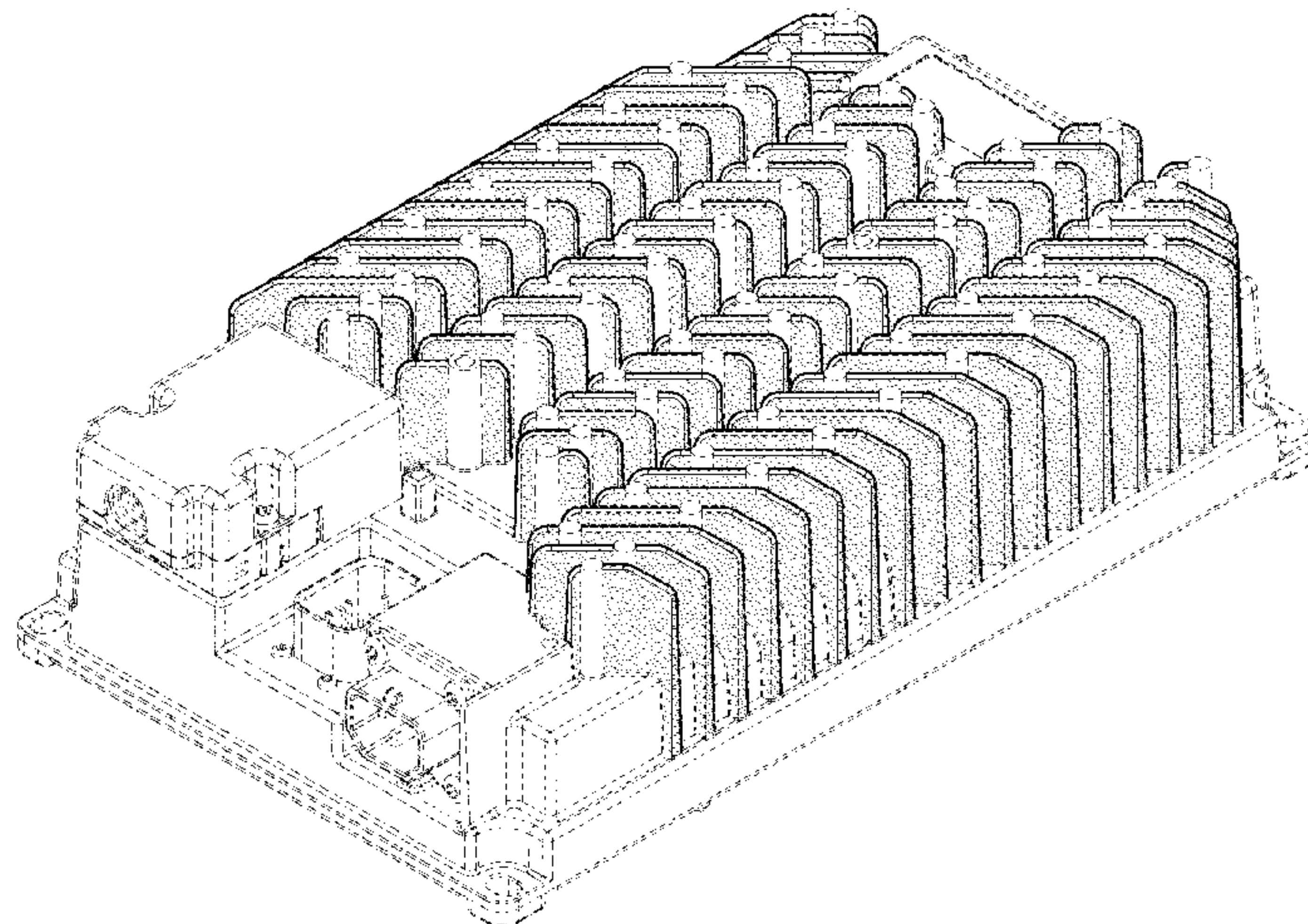
The broken lines in the figures depict portions of the article which form no part of the claimed design.

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1 Claim, 8 Drawing Sheets



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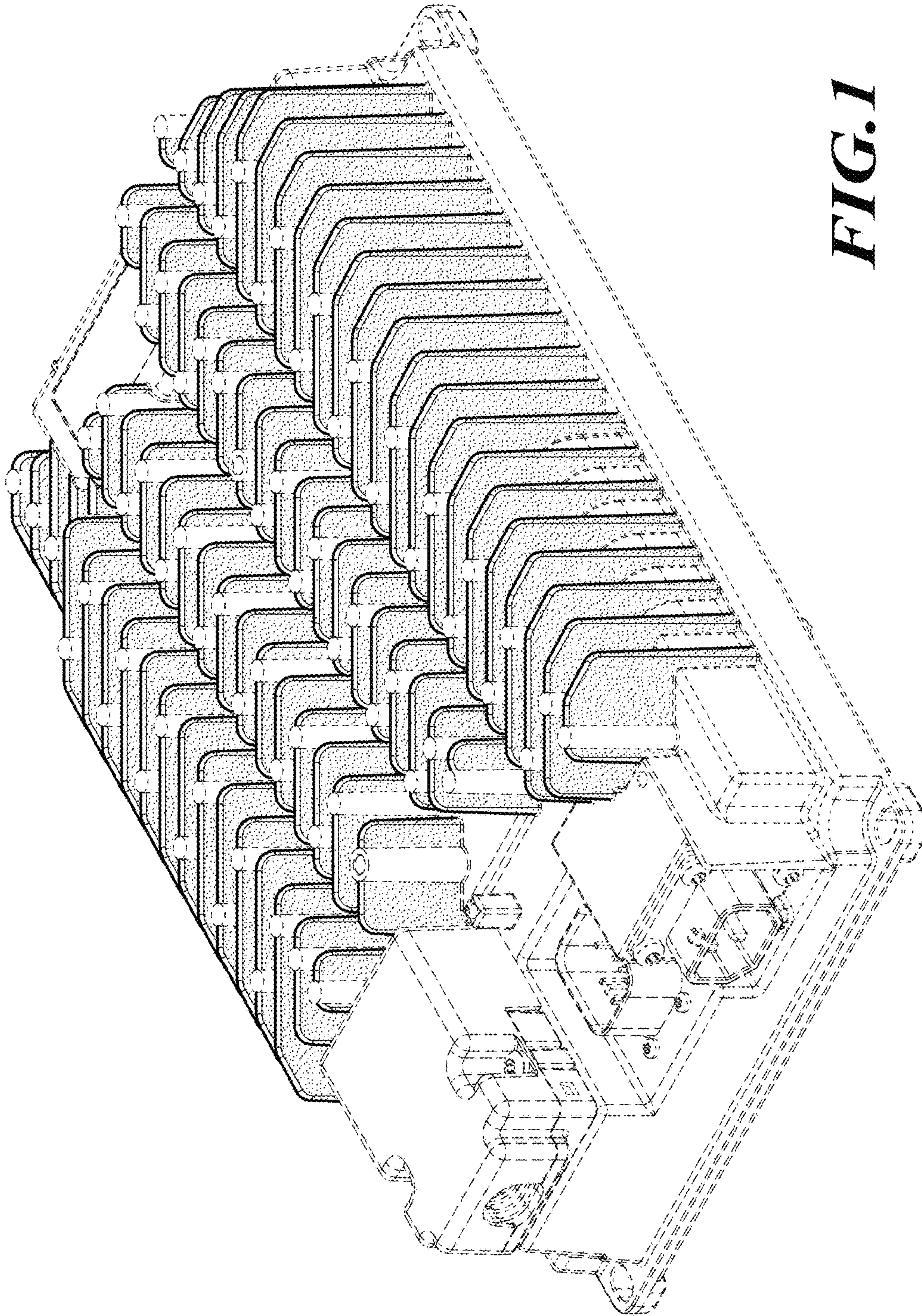


FIG. 1

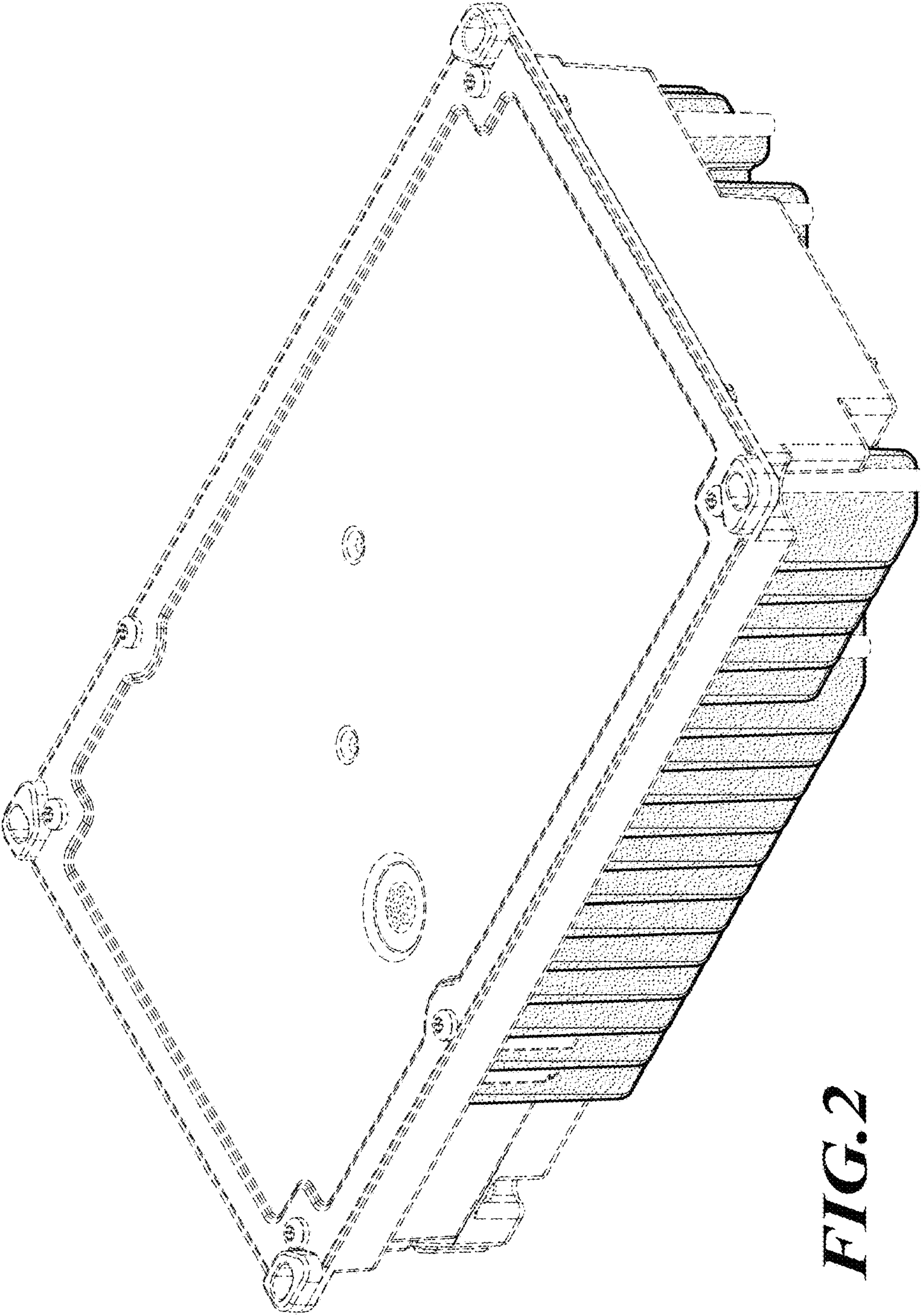


FIG. 2

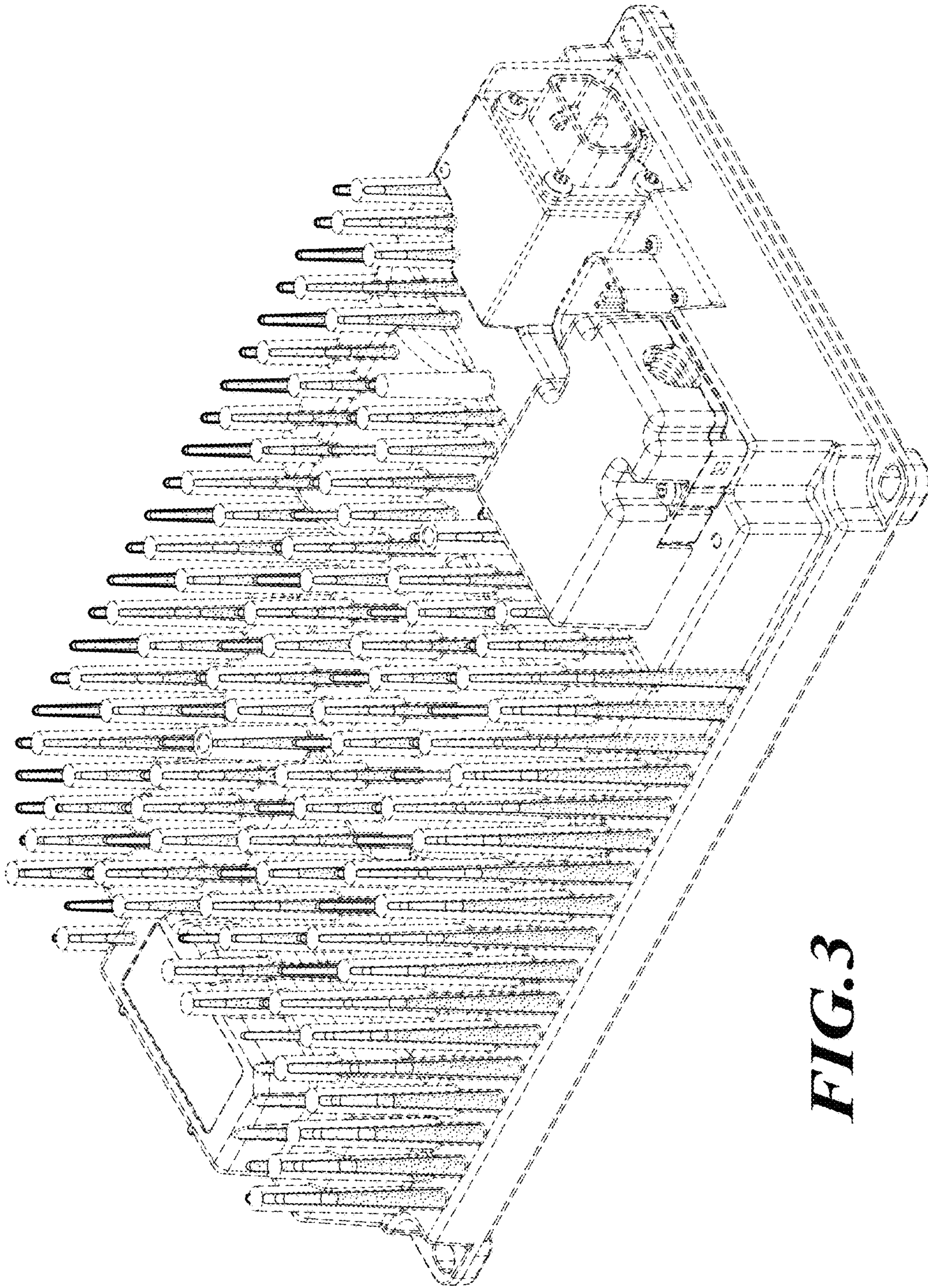


FIG. 3

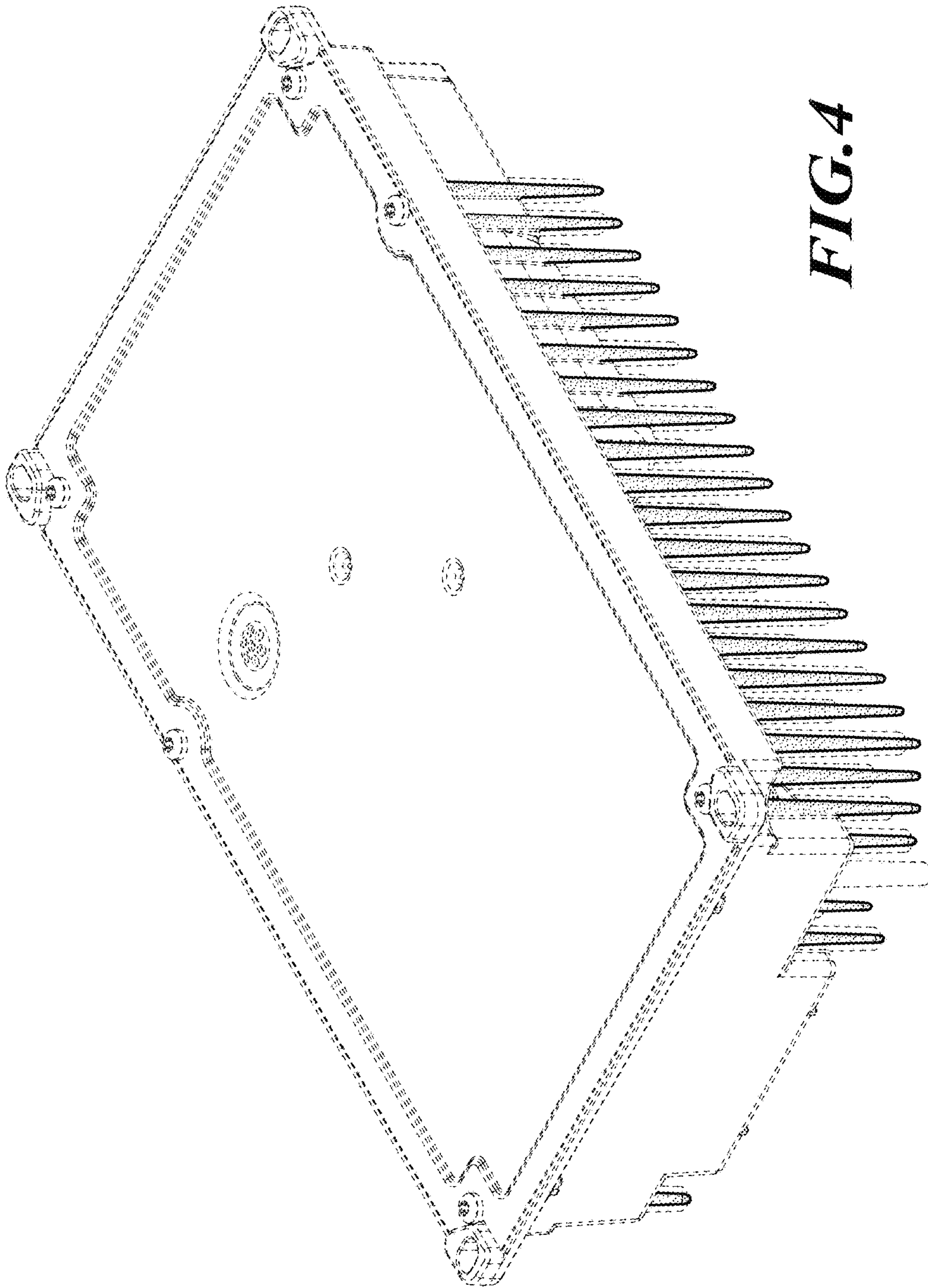


FIG.4

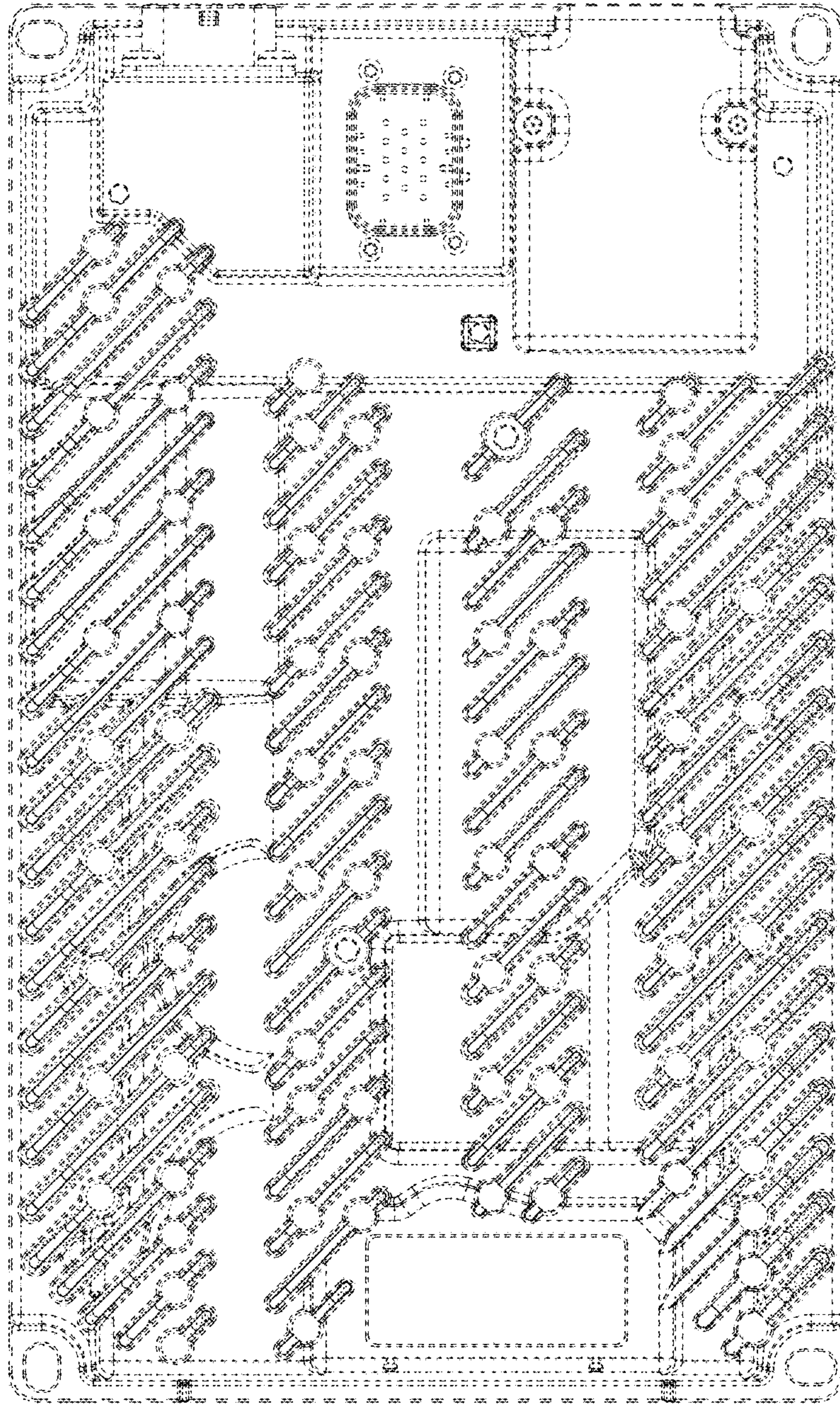


FIG. 5

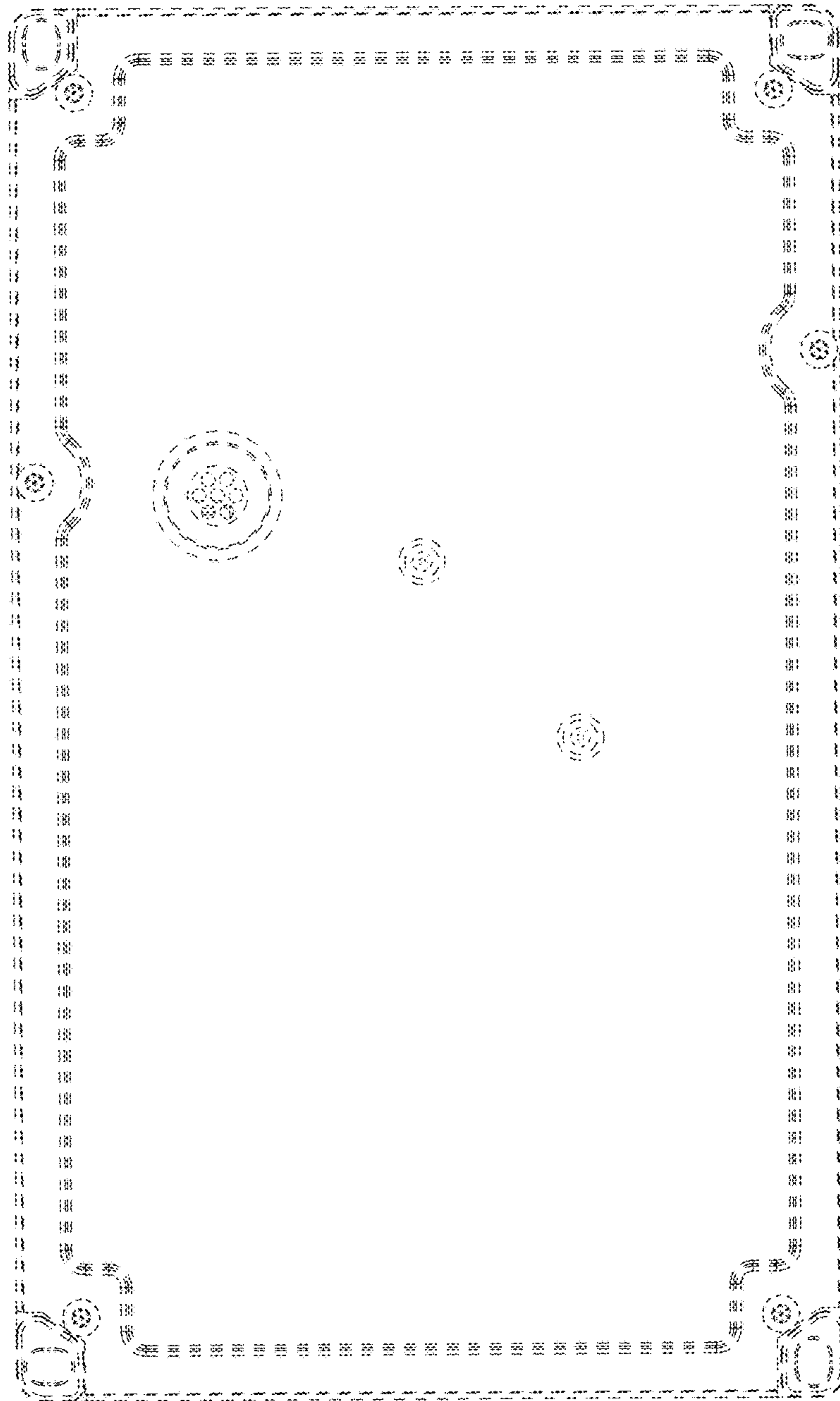


FIG. 6

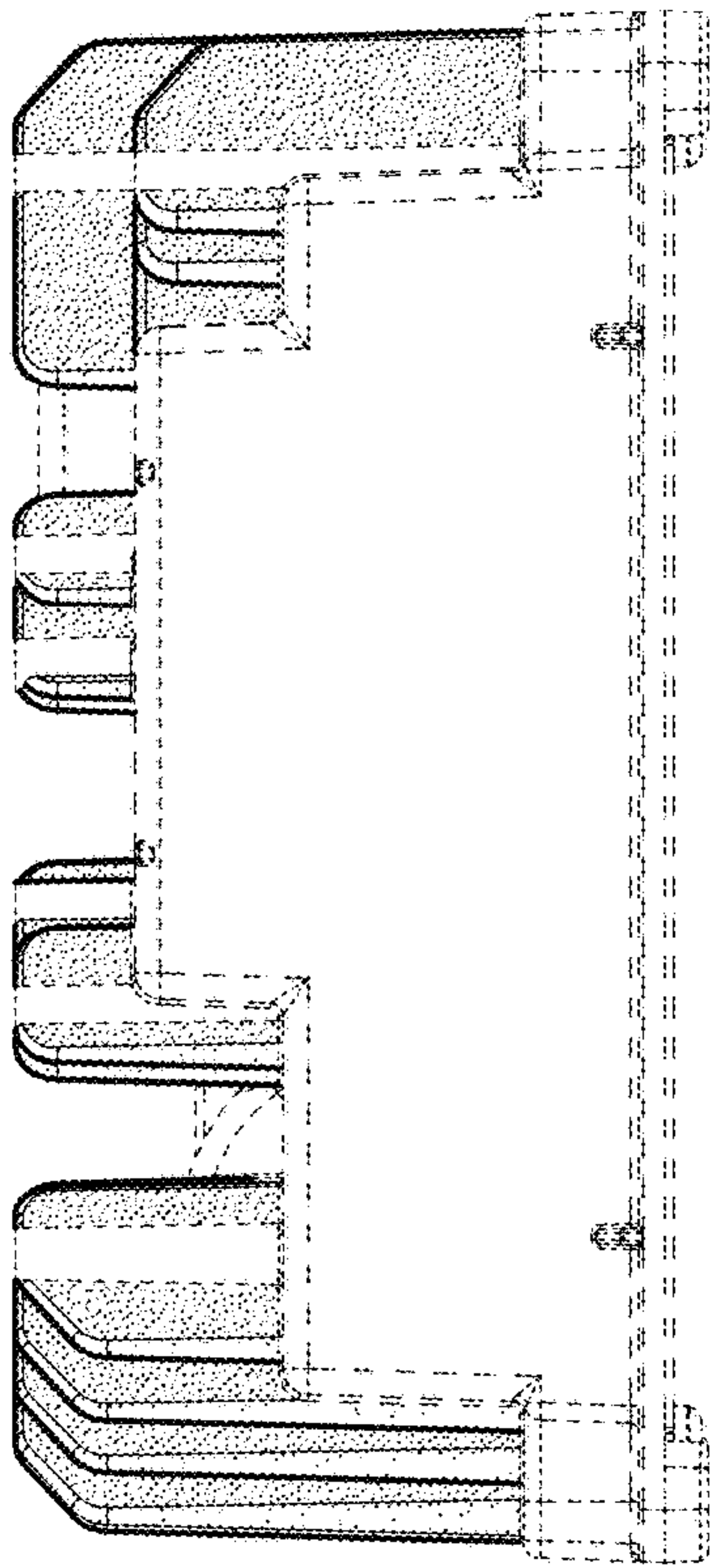


FIG. 7

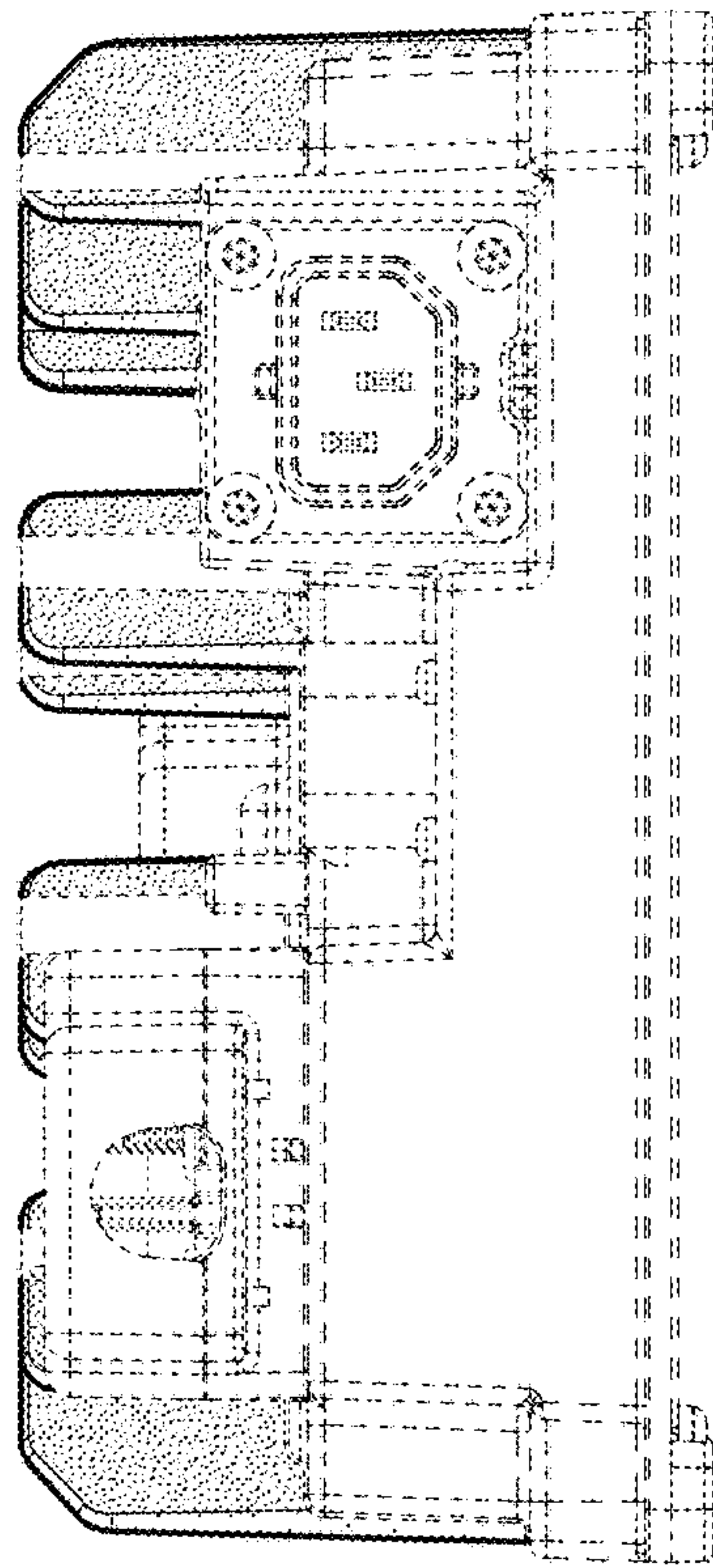


FIG. 8

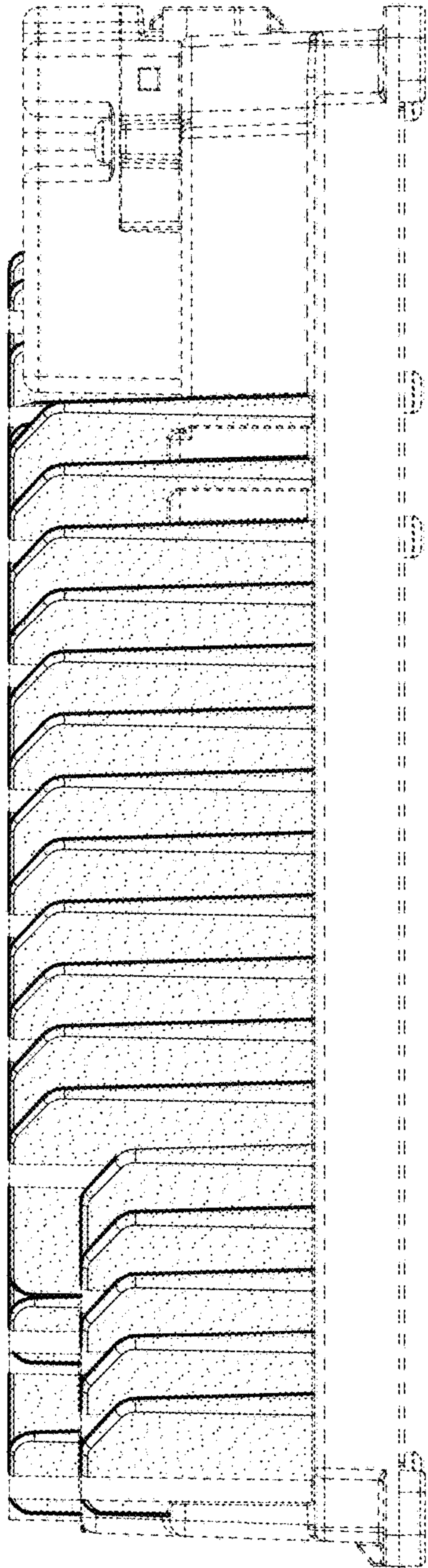


FIG. 9

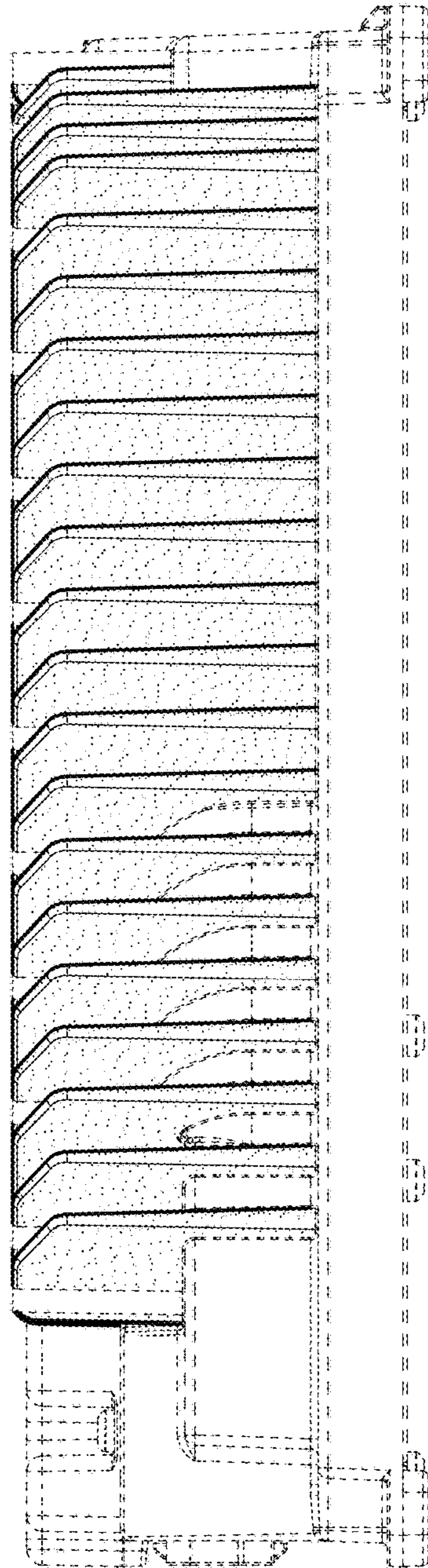


FIG. 10