



US00D762246S

(12) **United States Design Patent**
Trudeau

(10) **Patent No.:** **US D762,246 S**
(45) **Date of Patent:** **** Jul. 26, 2016**

(54) **INTEGRATED SUPERCHARGER AND CHARGE-AIR COOLER SYSTEM**

(71) Applicant: **Eaton Corporation**, Cleveland, OH (US)

(72) Inventor: **Jon Paul Trudeau**, Battle Creek, MI (US)

(73) Assignee: **Eaton Corporation**, Cleveland, OH (US)

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

(21) Appl. No.: **29/438,753**

(22) Filed: **Dec. 3, 2012**

(51) **LOC (10) Cl.** **15-01**

(52) **U.S. Cl.**
USPC **D15/5**

(58) **Field of Classification Search**
USPC D15/1-6; 123/559.1, 563; 415/17.4, 415/319, 139, 201.1, 206.1; 60/599, 611
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,075,991	A *	2/1978	Mettig et al.	123/563
D255,353	S *	6/1980	Ullrich	D15/5
6,837,195	B2 *	1/2005	Suwazono	123/54.4
7,137,384	B1 *	11/2006	Kavadeles	123/559.1
7,604,467	B2 *	10/2009	Prior	418/201.1
7,726,286	B2 *	6/2010	Prior et al.	123/559.1
7,845,921	B2 *	12/2010	Prior	418/206.4
8,813,492	B2 *	8/2014	Hansen et al.	60/611
2004/0208770	A1 *	10/2004	Prior	418/201.1

2008/0060622	A1 *	3/2008	Prior	123/559.1
2008/0175739	A1 *	7/2008	Prior	418/83
2008/0292452	A1 *	11/2008	Prior et al.	415/173.4
2009/0211244	A1 *	8/2009	Wegner et al.	60/599
2009/0232689	A1 *	9/2009	Prior	418/139
2011/0150671	A1 *	6/2011	Ouwenga	417/293
2014/0017101	A1 *	1/2014	Staley	417/319
2014/0193285	A1 *	7/2014	Swartzlander	418/206.1
2014/0224230	A1 *	8/2014	Simons et al.	123/563

* cited by examiner

Primary Examiner — T. Chase Nelson

Assistant Examiner — Ania Aman

(74) *Attorney, Agent, or Firm* — Merchant & Gould P.C.

(57) **CLAIM**

The ornamental design for an integrated supercharger and charge-air cooler system, as shown and described.

DESCRIPTION

FIG. 1 is a top right front perspective view of a housing of an integrated supercharger and charge-air cooler system in accordance with the present disclosure.

FIG. 2 is a bottom left rear perspective view of the housing of FIG. 1.

FIG. 3 is a top view of the housing of FIG. 1.

FIG. 4 is a bottom view of the housing of FIG. 1.

FIG. 5 is a front view of the housing of FIG. 1.

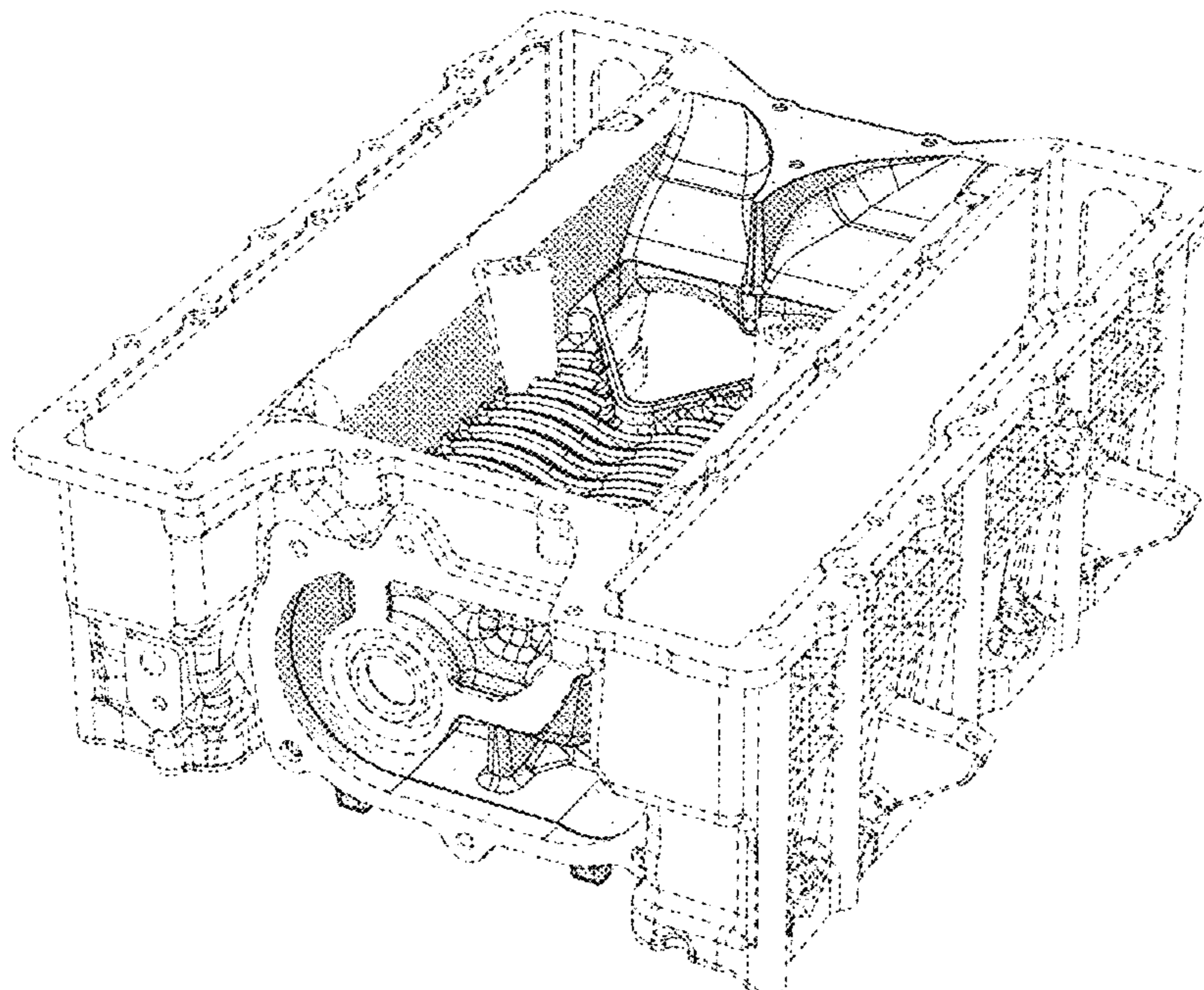
FIG. 6 is a rear view of the housing of FIG. 1.

FIG. 7 is a right side view of the housing of FIG. 1; and,

FIG. 8 is a left side view of the housing of FIG. 1.

The broken lines showing portions of the integrated supercharger and charge-air cooler system form no part of the claimed design.

1 Claim, 8 Drawing Sheets



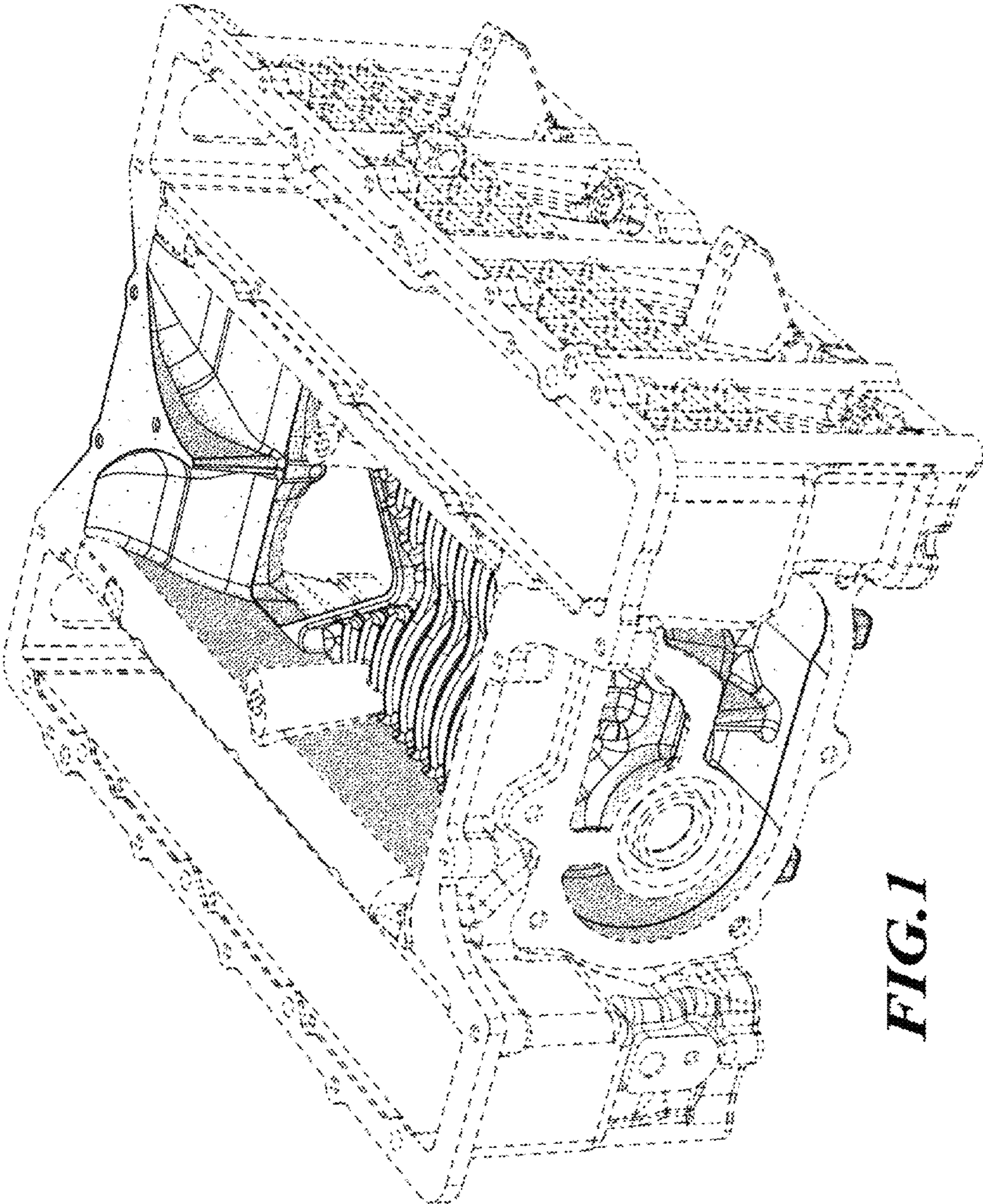


FIG. 1

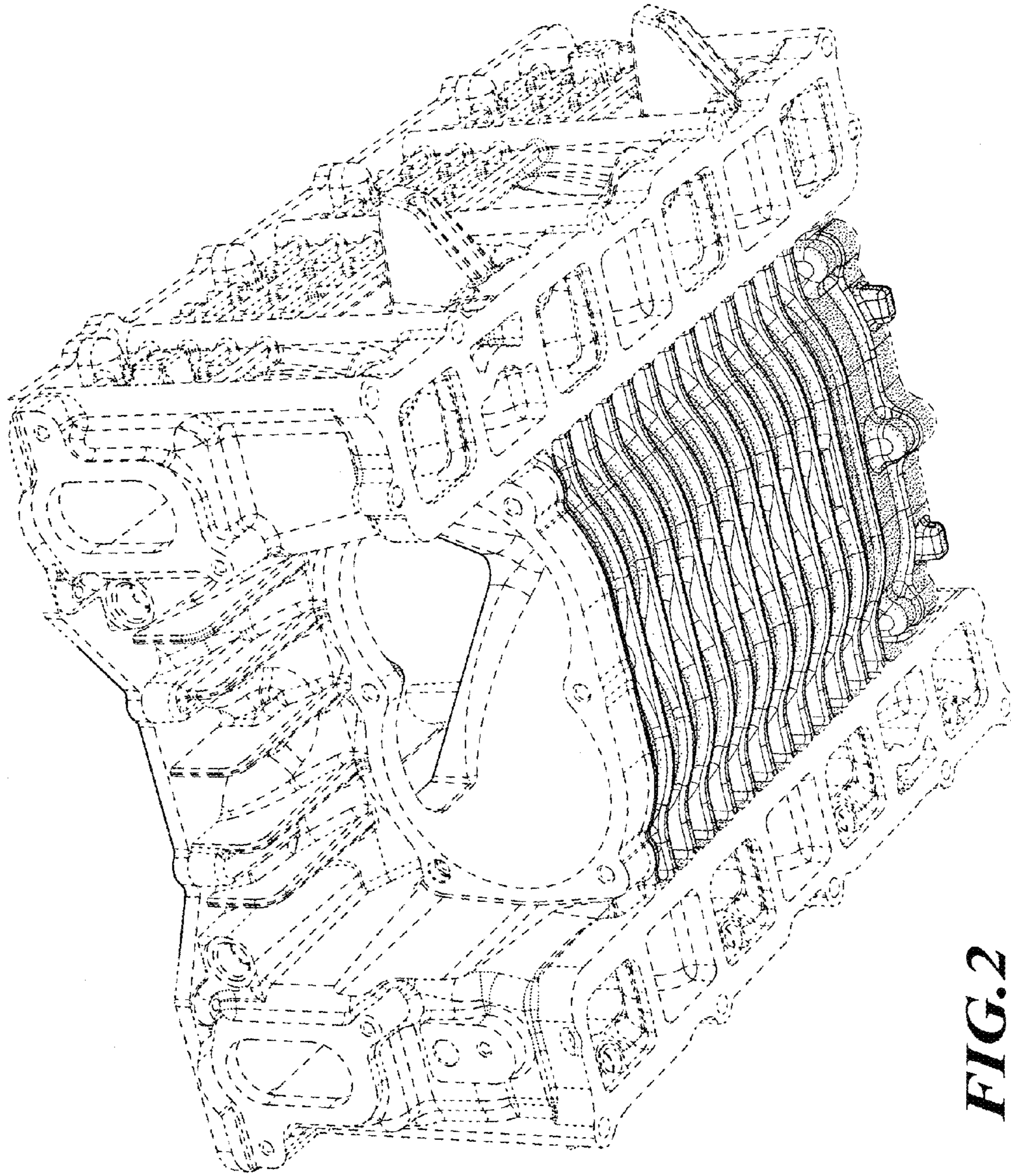


FIG. 2

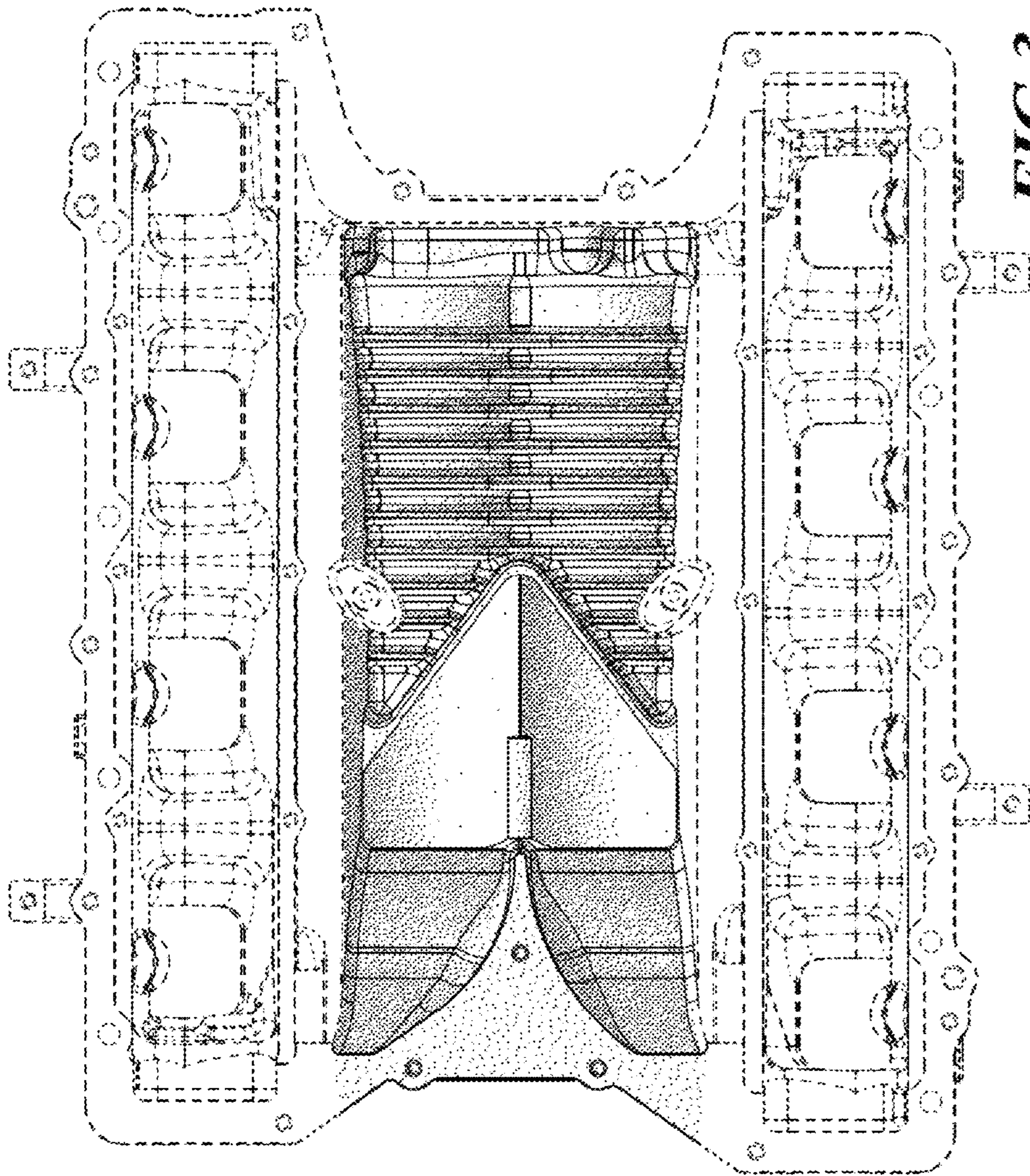


FIG.3

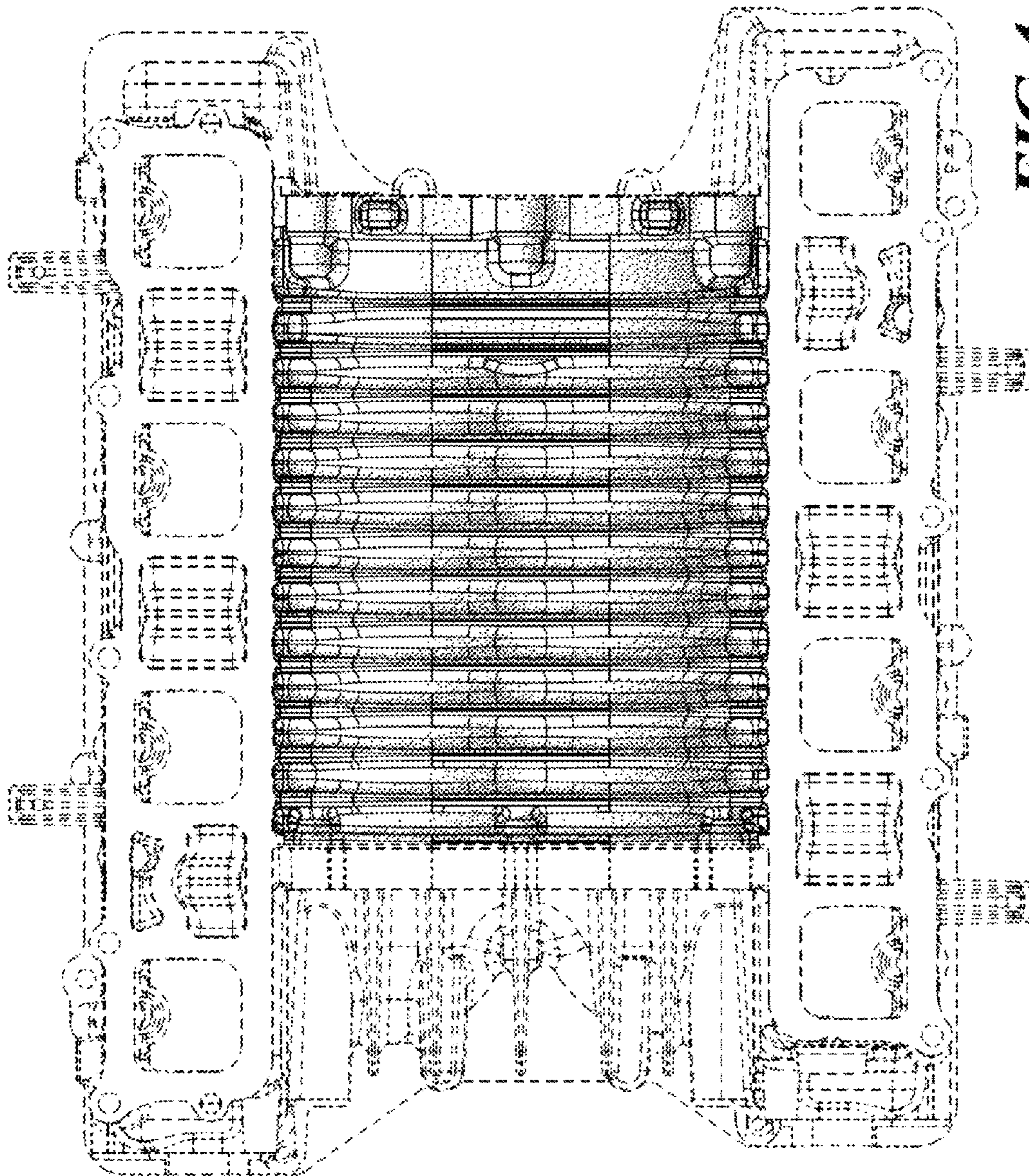


FIG. 4

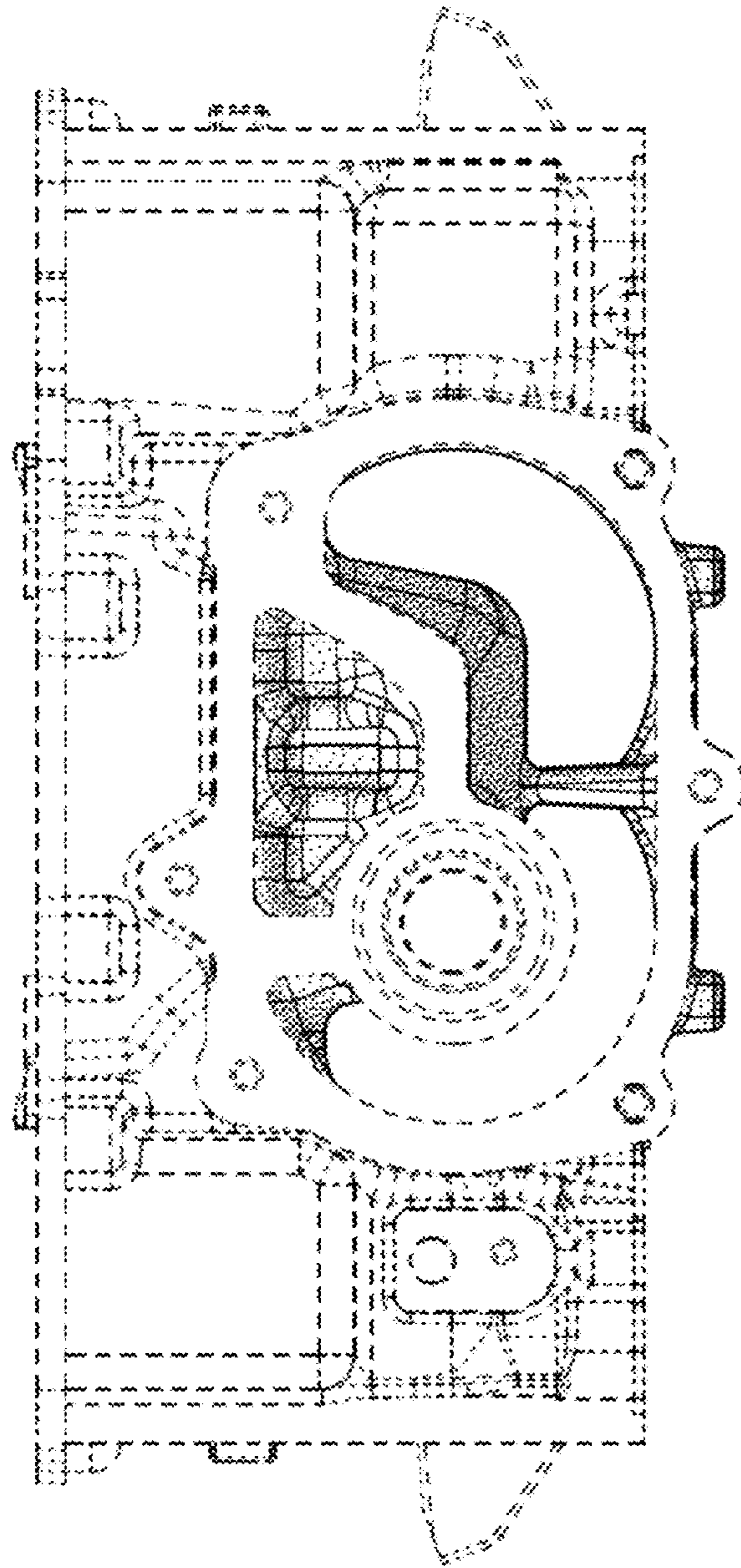


FIG. 5

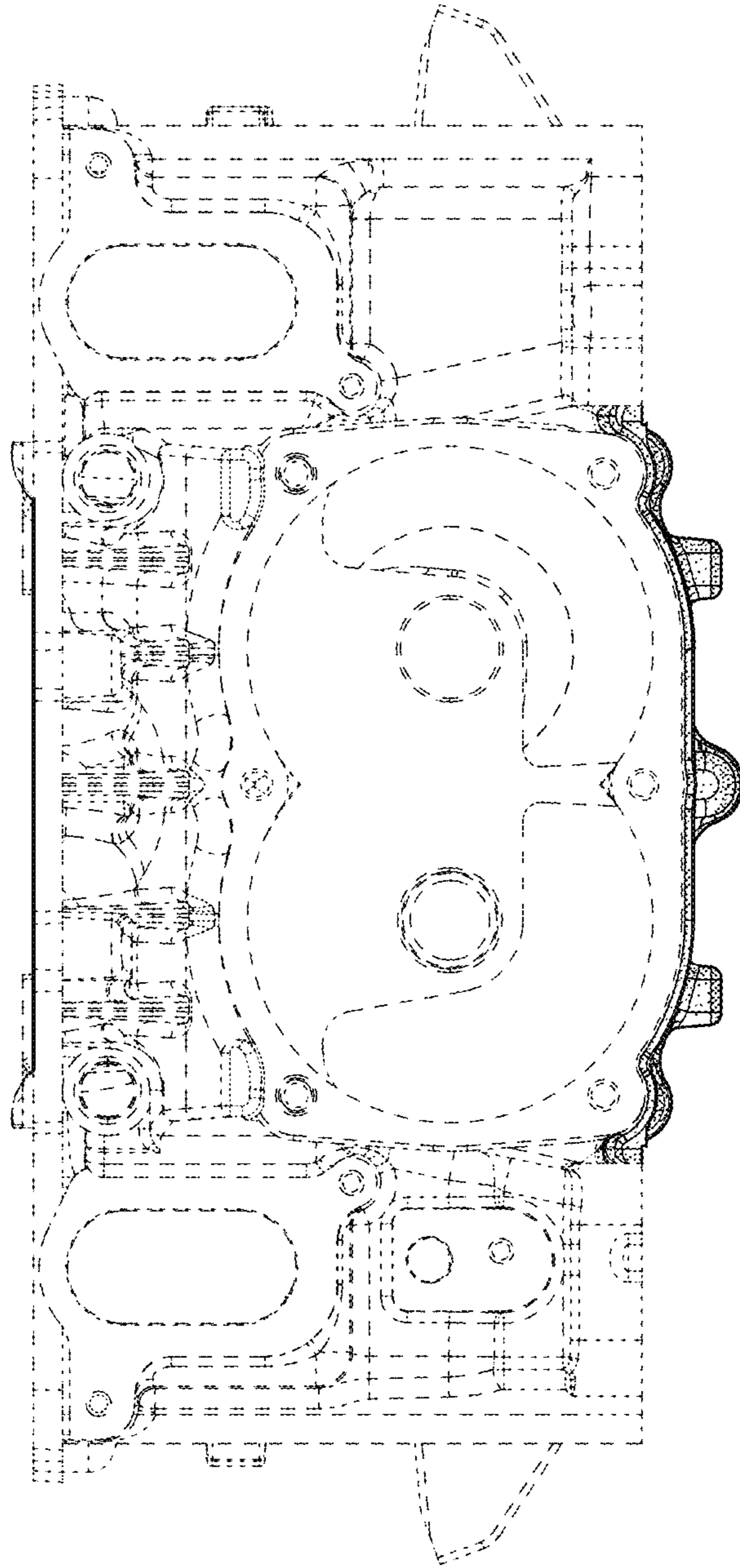


FIG. 6

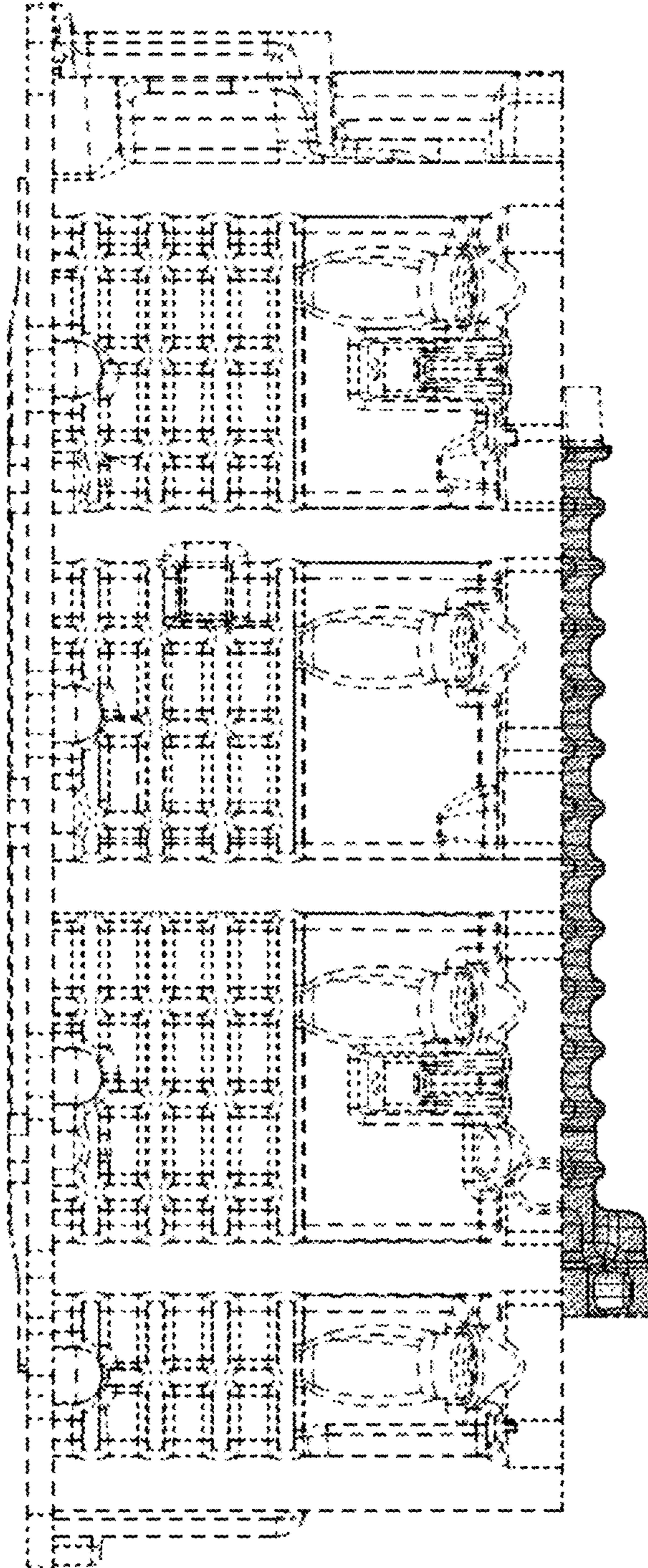


FIG. 7

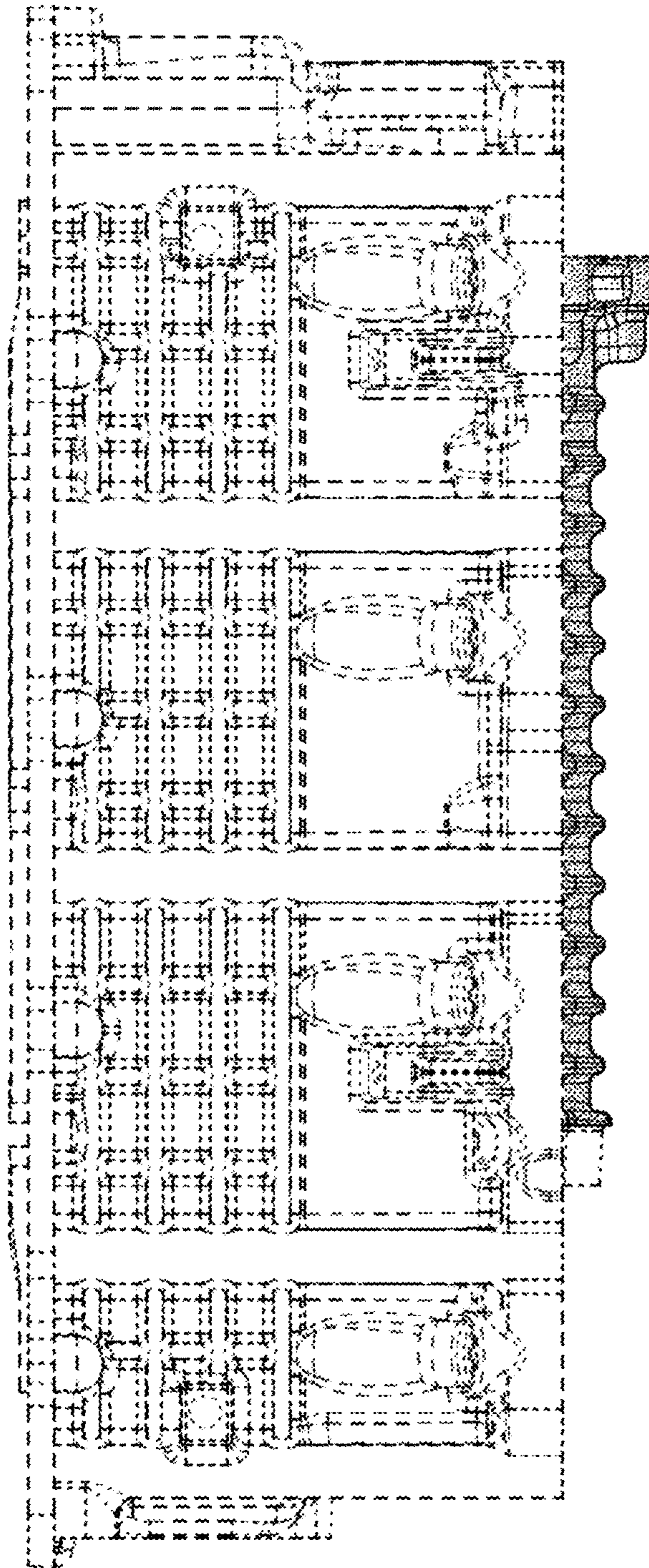


FIG. 8