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(12) **United States Design Patent** (10) **Patent No.:** **US D771,144 S**  
**Dopke et al.** (45) **Date of Patent:** **\*\* Nov. 8, 2016**

(54) **INTERNAL COMBUSTION ENGINE  
CYLINDER HEAD INTAKE PORT**

4,905,636 A 3/1990 Kronich  
4,976,231 A \* 12/1990 Feuling ..... F01L 1/0532  
123/188.14  
5,308,061 A \* 5/1994 Bernhardt ..... A63B 37/0002  
473/127  
5,404,856 A 4/1995 Servati  
5,598,820 A 2/1997 Sokoloski  
5,884,593 A \* 3/1999 Immel ..... F01L 1/02  
123/182.1

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

(21) Appl. No.: **29/490,103**

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

(52) **U.S. Cl.**

USPC ..... **D15/5**

(58) **Field of Classification Search**

USPC ..... D15/1-5; 123/193.5; D12/126  
CPC ..... F02F 1/24; F02F 2001/241; F02F 1/243;  
F02F 2001/245; F02F 1/30; F02F 2001/244;  
F02F 2001/246; F02F 2001/247; F02F  
2001/249; F02F 1/26; F02F 1/305; F02F  
1/32; F02F 1/34; F02F 1/36; F02F 1/365;  
F02F 1/38; F02F 1/40; F02F 1/42

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,561,408 A \* 2/1971 Weiland ..... F02B 75/22  
123/184.34  
4,159,011 A 6/1979 Sperry  
4,183,332 A \* 1/1980 Hofbauer ..... F02M 35/10118  
123/184.42  
4,344,408 A \* 8/1982 Inoue ..... F02B 23/08  
123/262  
4,838,219 A \* 6/1989 Feuling ..... F01L 1/0532  
123/188.14

(Continued)

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(57) **CLAIM**

The ornamental design for an internal combustion engine  
cylinder head intake port, as shown and described.

**DESCRIPTION**

FIG. 1 is a left front perspective view of an internal  
combustion engine cylinder head intake port according to  
the present invention.

FIG. 2 is a top plan view of the internal combustion engine  
cylinder head intake port of FIG. 1.

FIG. 3 is a left side view of the internal combustion engine  
cylinder head intake port of FIG. 1.

FIG. 4 is a front view of the internal combustion engine  
cylinder head intake port of FIG. 1.

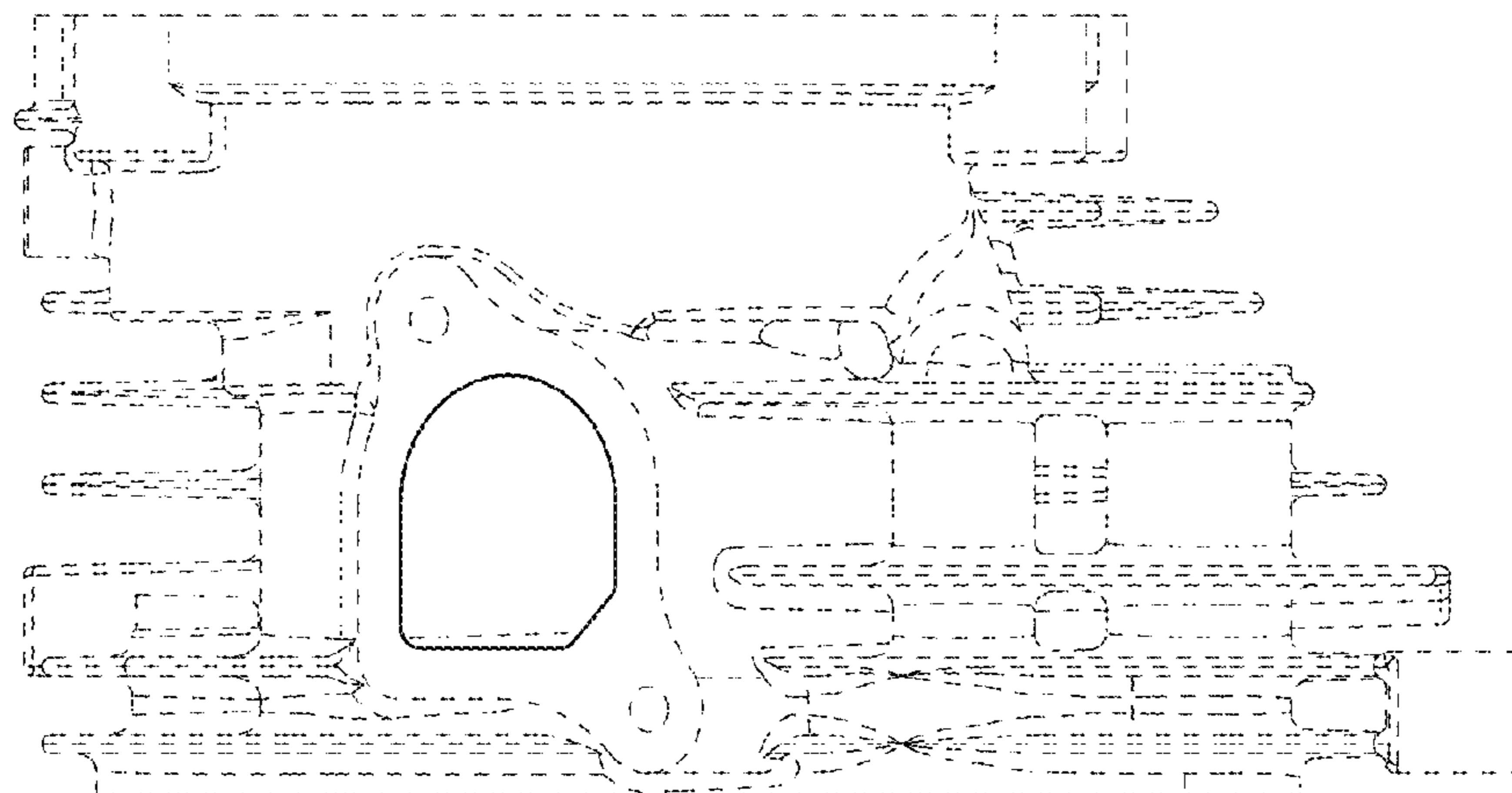
FIG. 5 is a rear view of the internal combustion engine  
cylinder head intake port of FIG. 1.

FIG. 6 is a right side view of the internal combustion engine  
cylinder head intake port of FIG. 1; and,

FIG. 7 is a bottom view of the internal combustion engine  
cylinder head intake port of FIG. 1.

The broken lines in the drawing views are included for the  
purpose of illustrating portions of the internal combustion  
engine cylinder head intake port that form no part of the  
claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

6,276,326 B1 *	8/2001	Martinsson	.....	F02B 63/02 123/184.23	8,011,333 B2 *	9/2011	Burgess	.....	F01L 1/024 123/195 R
6,279,516 B1 *	8/2001	Haugen	.....	F02F 1/38 123/41.82 A	8,402,937 B2	3/2013	Mamy et al.		
6,296,071 B1 *	10/2001	Runte	.....	F01L 1/18 123/90.33	8,539,929 B2 *	9/2013	Dees	.....	F02F 1/40 123/198 E
7,182,057 B2	2/2007	Sato			8,733,312 B1 *	5/2014	Kever	.....	F02M 35/116 123/184.21
7,246,610 B2 *	7/2007	Sjovall	.....	F01M 13/022 123/2	2003/0067190 A1 *	4/2003	Dancasius	.....	B62D 25/145 296/193.06
D608,372 S *	1/2010	Brace	.....	D15/5	2003/0168040 A1	9/2003	Takamiya et al.		
7,938,099 B2	5/2011	Abe et al.			2005/0045137 A1 *	3/2005	Schweiger	.....	F02M 35/10078 123/184.21
					2015/0322883 A1 *	11/2015	Dopke	.....	F02F 1/24 123/193.5

\* cited by examiner

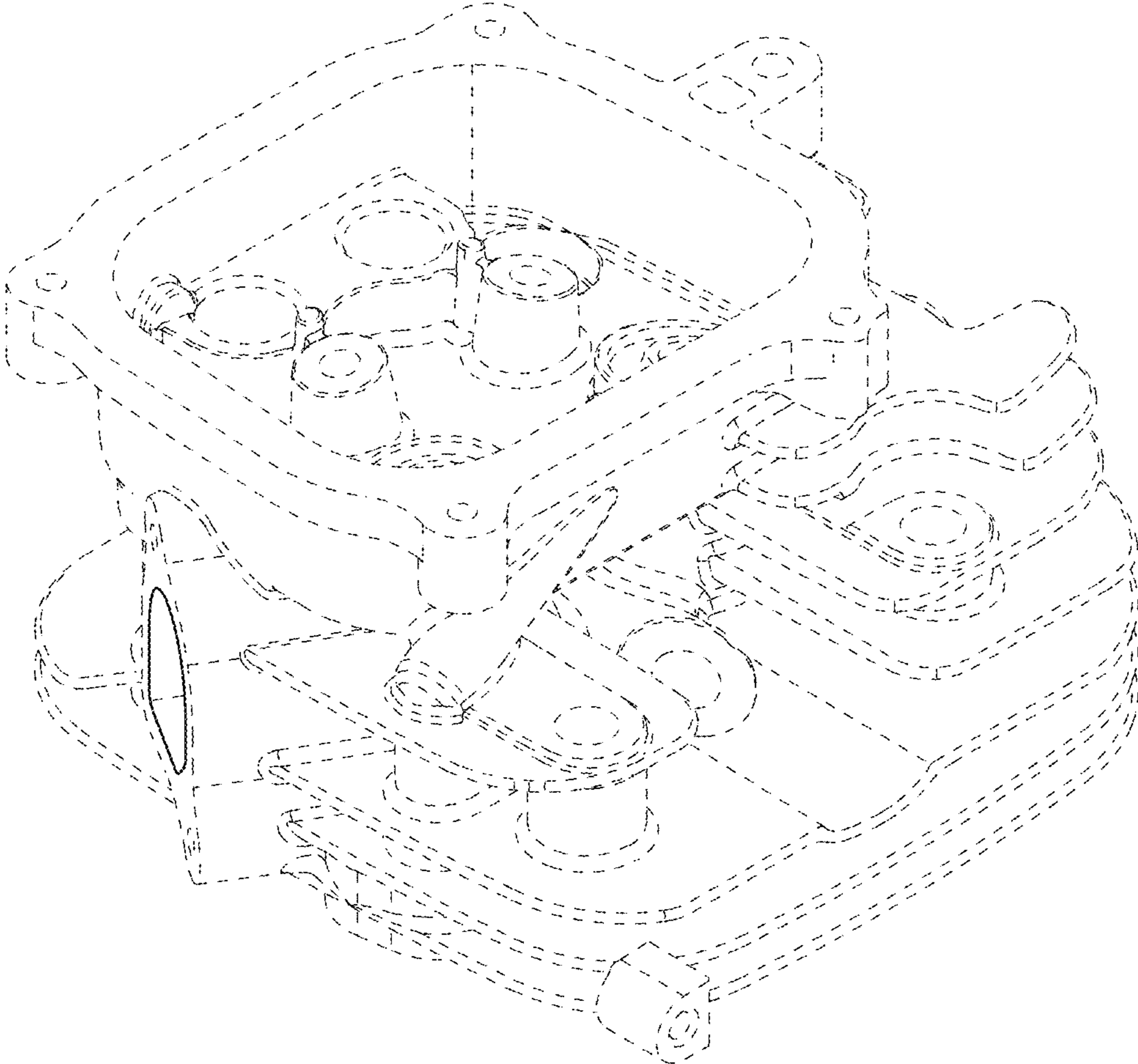


FIG. 1

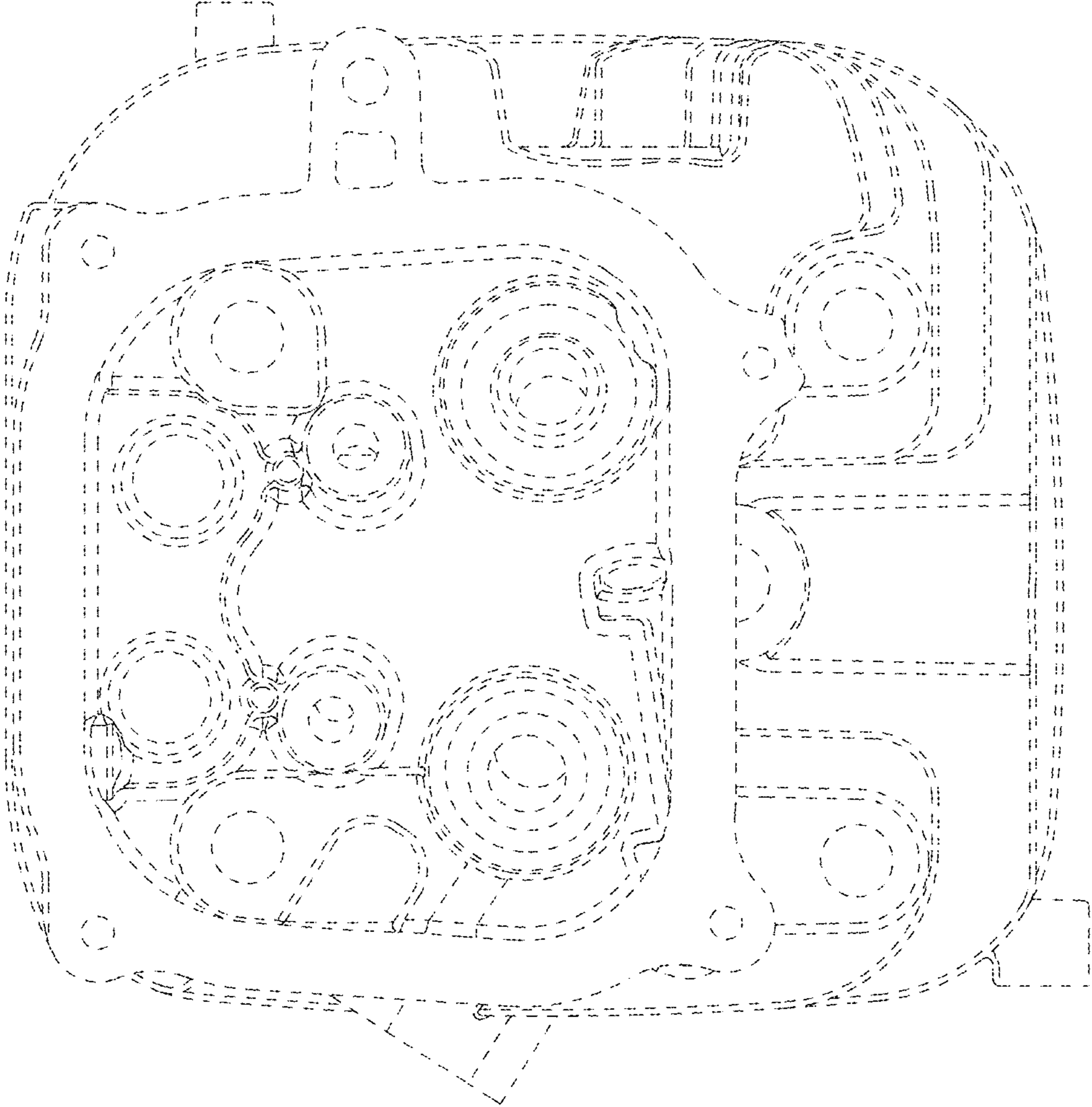


FIG. 2

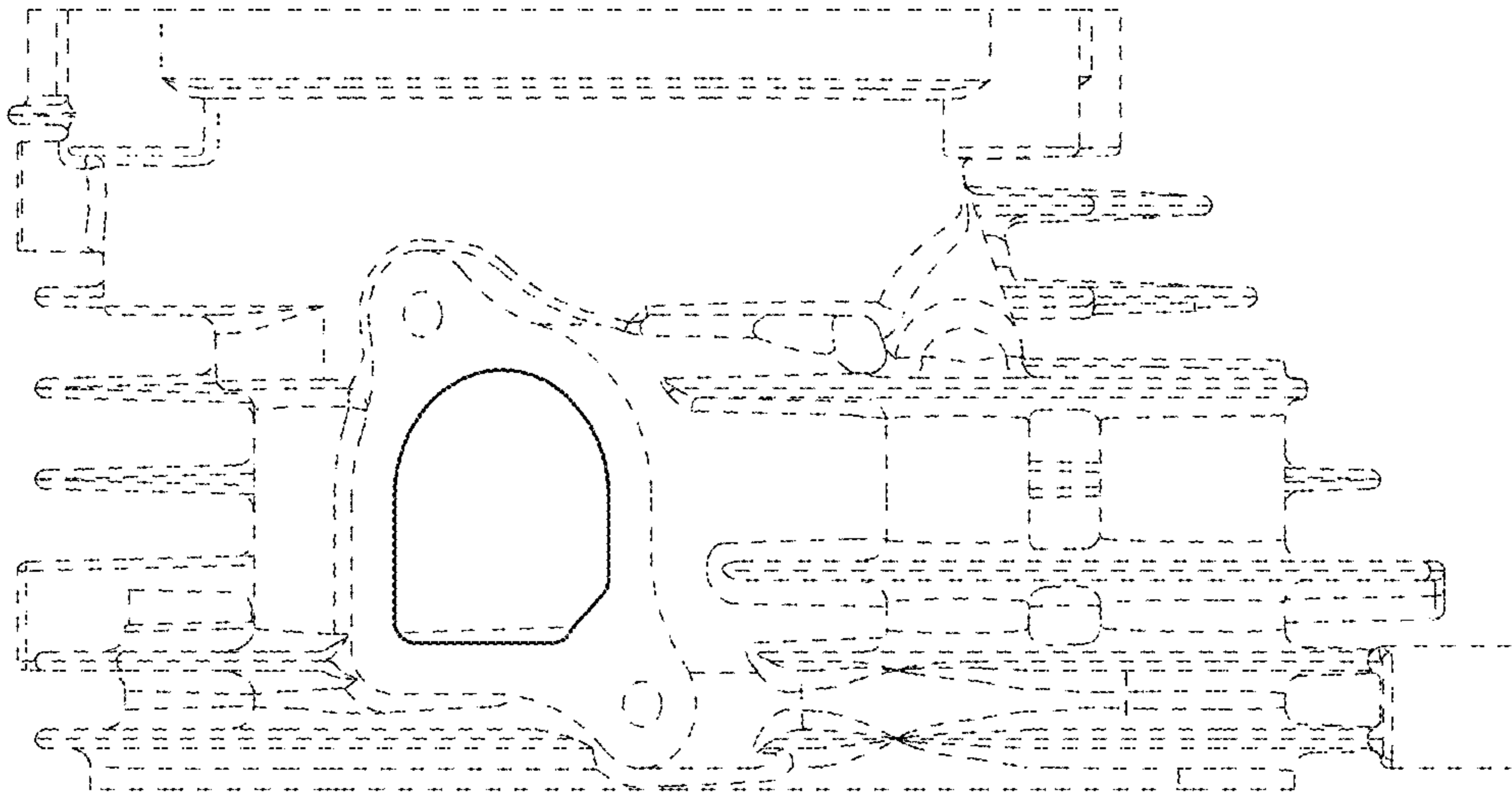


FIG. 3

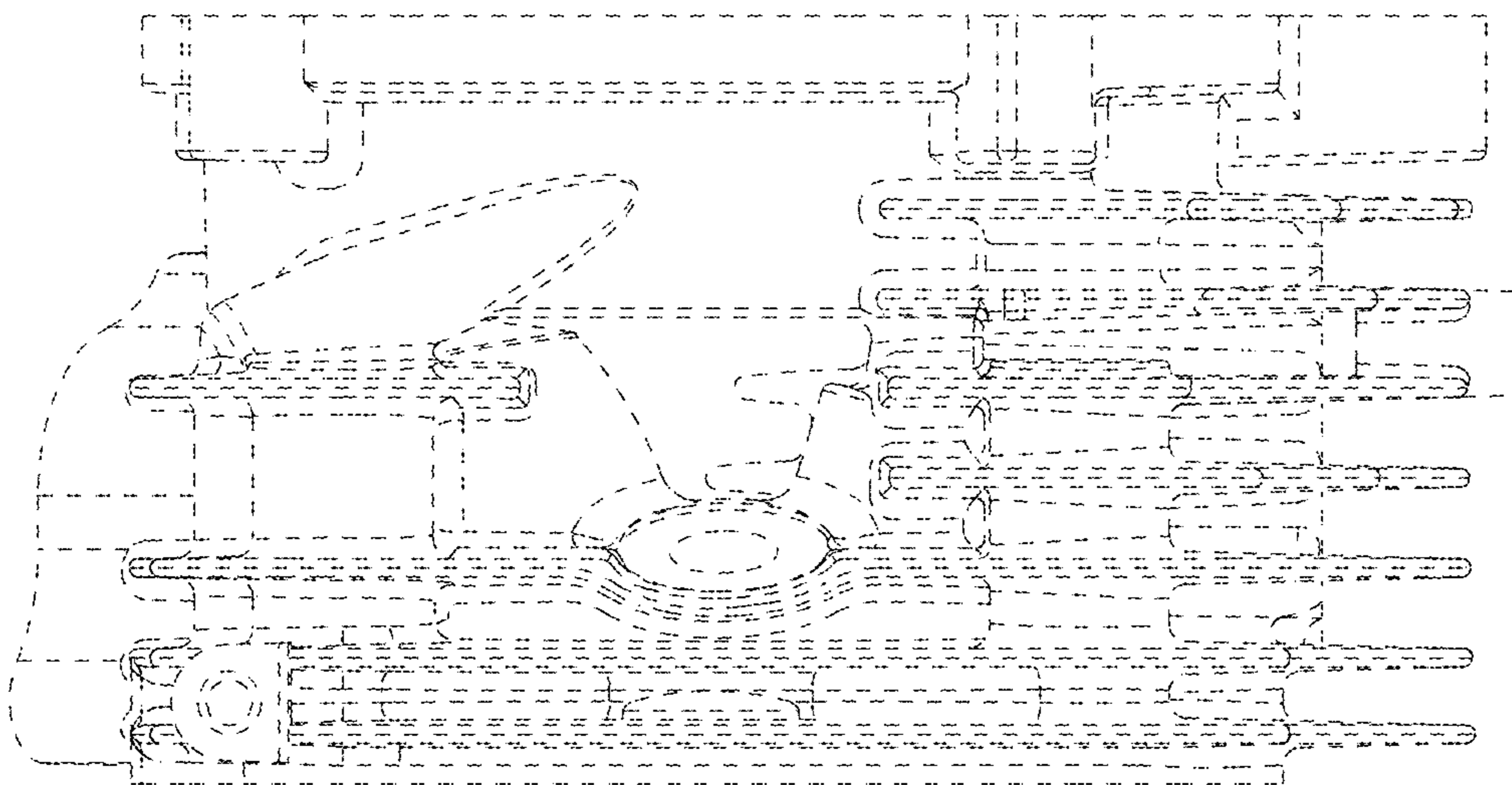


FIG. 4

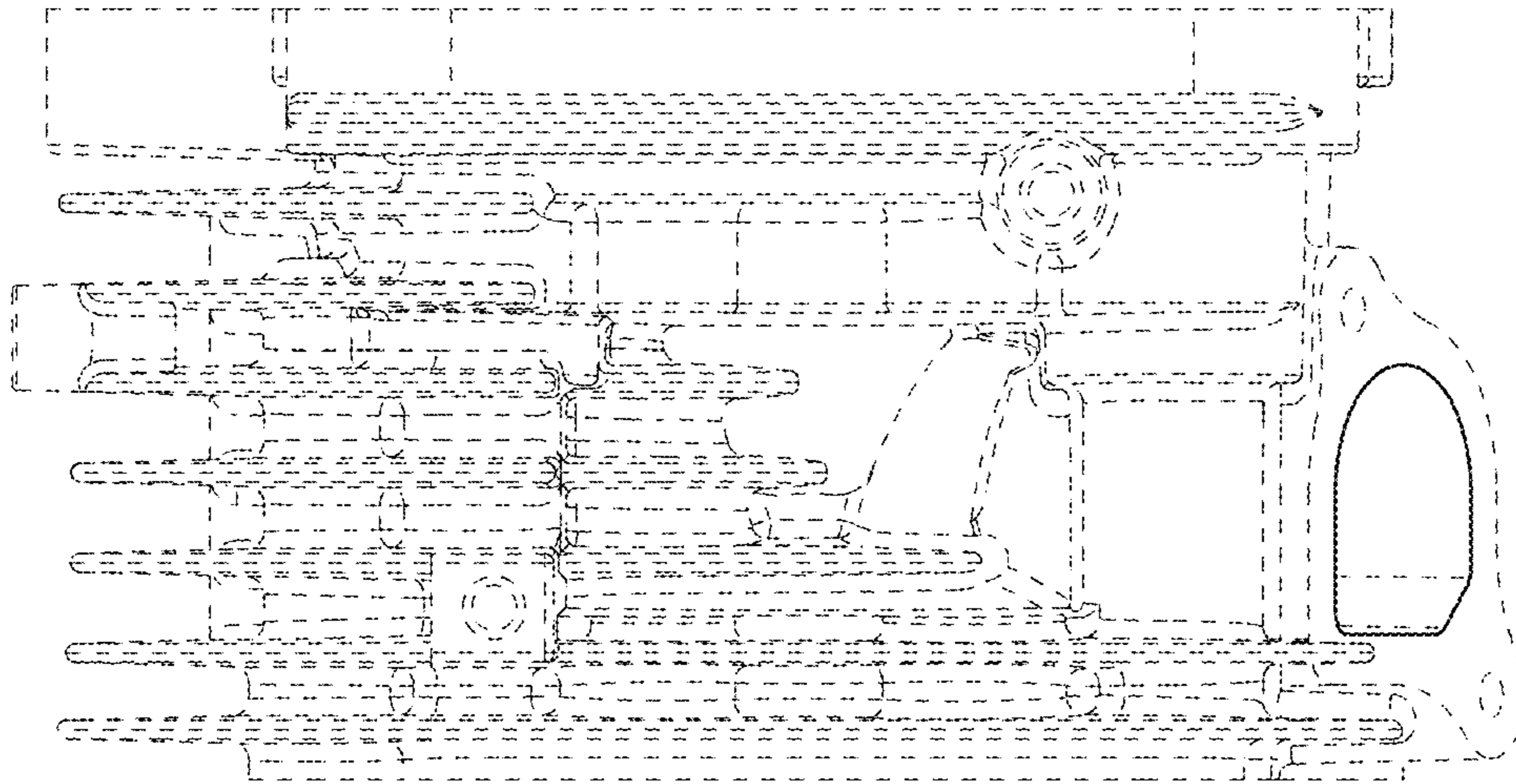


FIG. 5

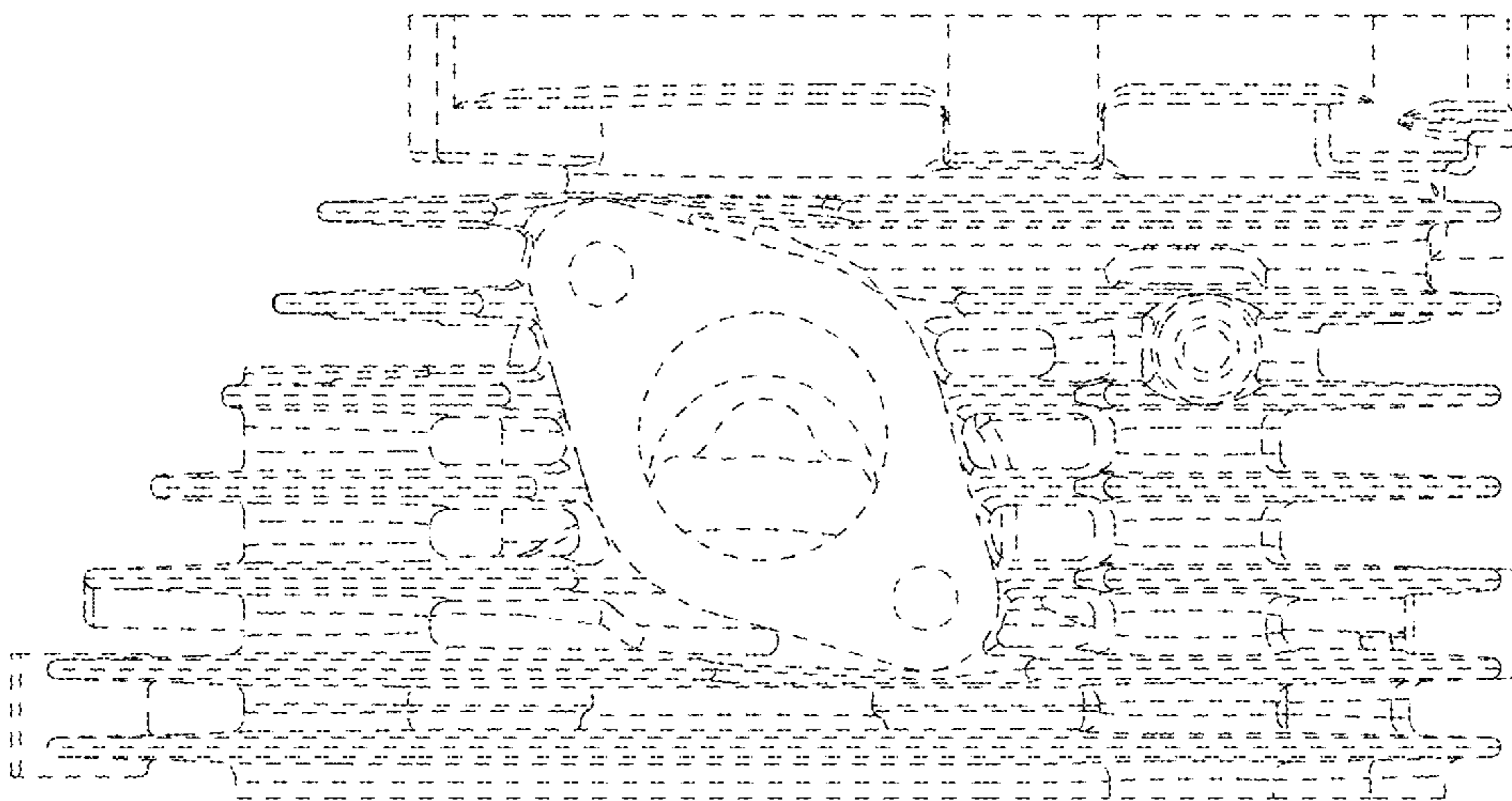


FIG. 6

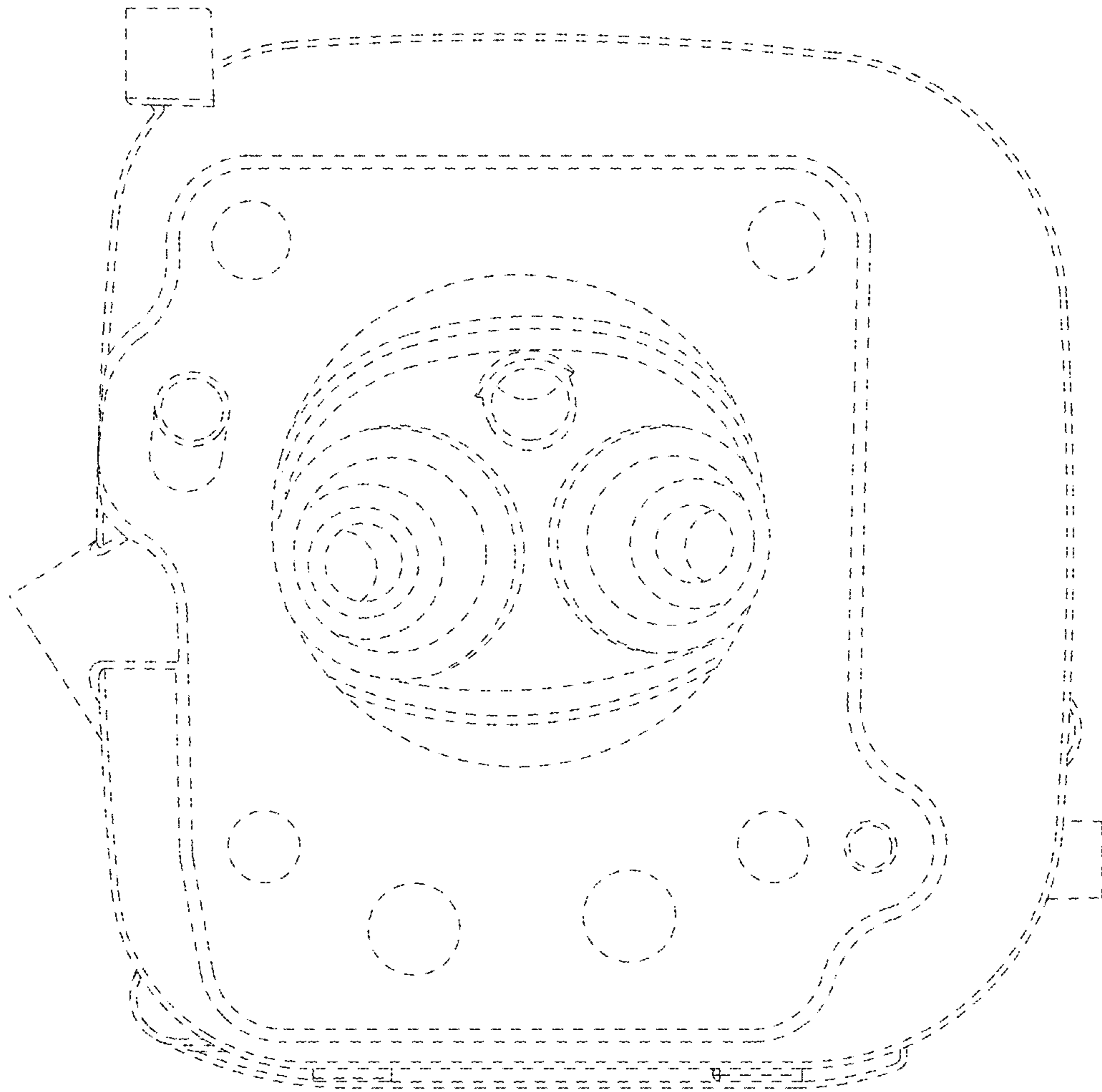


FIG. 7