



US00D805477S

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

(10) **Patent No.:** **US D805,477 S**

(45) **Date of Patent:** **** Dec. 19, 2017**

(54) **DIELECTRIC FILTER**

(71) Applicant: **Cirotech Technology Corp.**, Tainan (TW)

(72) Inventors: **Shin-Hui Chou**, Tainan (TW);
Chin-Hao Chen, Tainan (TW);
Yue-Cheng Jhong, Tainan (TW);
Yi-Ching Lin, Tainan (TW)

(73) Assignee: **CIROTECH TECHNOLOGY CORP.**, Tainan (TW)

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

(21) Appl. No.: **29/588,284**

(22) Filed: **Dec. 20, 2016**

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/123**

(58) **Field of Classification Search**
USPC D13/123, 124, 125, 126, 127, 128, 129,
D13/130, 131, 132, 154, 182, 184, 199
CPC H01P 7/10; H01P 1/2002; H01P 1/2084;
H01P 1/2086; H01P 1/2088
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D359,024 S *	6/1995	Ito	.....	D13/123
5,889,447 A *	3/1999	Newell	.....	H01P 1/2056 333/202
7,545,240 B2 *	6/2009	Morga	.....	H01P 1/2056 333/202
D758,317 S *	6/2016	Plassiard	.....	D13/154
D766,833 S *	9/2016	Plassiard	.....	D13/154
D788,038 S *	5/2017	Tateno	.....	D13/129
D788,704 S *	6/2017	Tateno	.....	D13/129
D788,705 S *	6/2017	Tateno	.....	D13/129
D788,706 S *	6/2017	Tateno	.....	D13/129

2002/0196106 A1 *	12/2002	Kuroda	.....	H01P 1/218 333/205
2003/0210112 A1 *	11/2003	Tada	.....	H01P 1/2056 333/206
2003/0231081 A1 *	12/2003	Yonekura	.....	H01P 1/2056 333/134
2004/0095213 A1 *	5/2004	Lee	.....	H01P 1/2056 333/206

FOREIGN PATENT DOCUMENTS

EP	1087457 A2 *	3/2001	.....	H01P 1/2056
WO	WO 2009013929 A1 *	1/2009	.....	H01P 1/2056

OTHER PUBLICATIONS

Vanlong. <URL: <http://www.vanlong.com/download/DF.pdf>> May 12, 2008. Dielectric Filter.*

* cited by examiner

Primary Examiner — Thomas Johannes

Assistant Examiner — Lauren McVey

(74) *Attorney, Agent, or Firm* — Chun-Ming Shih; HDLS IPR Services

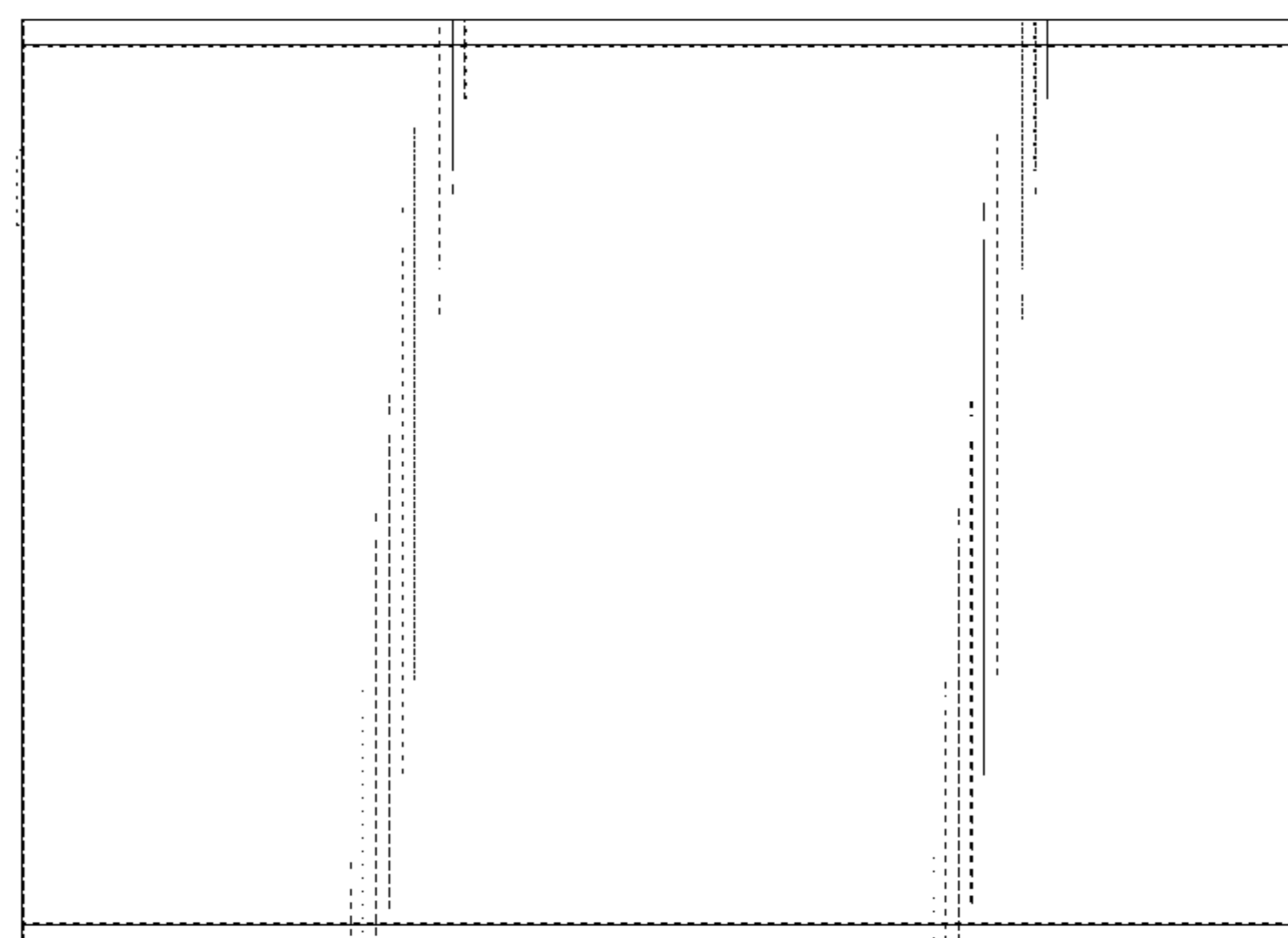
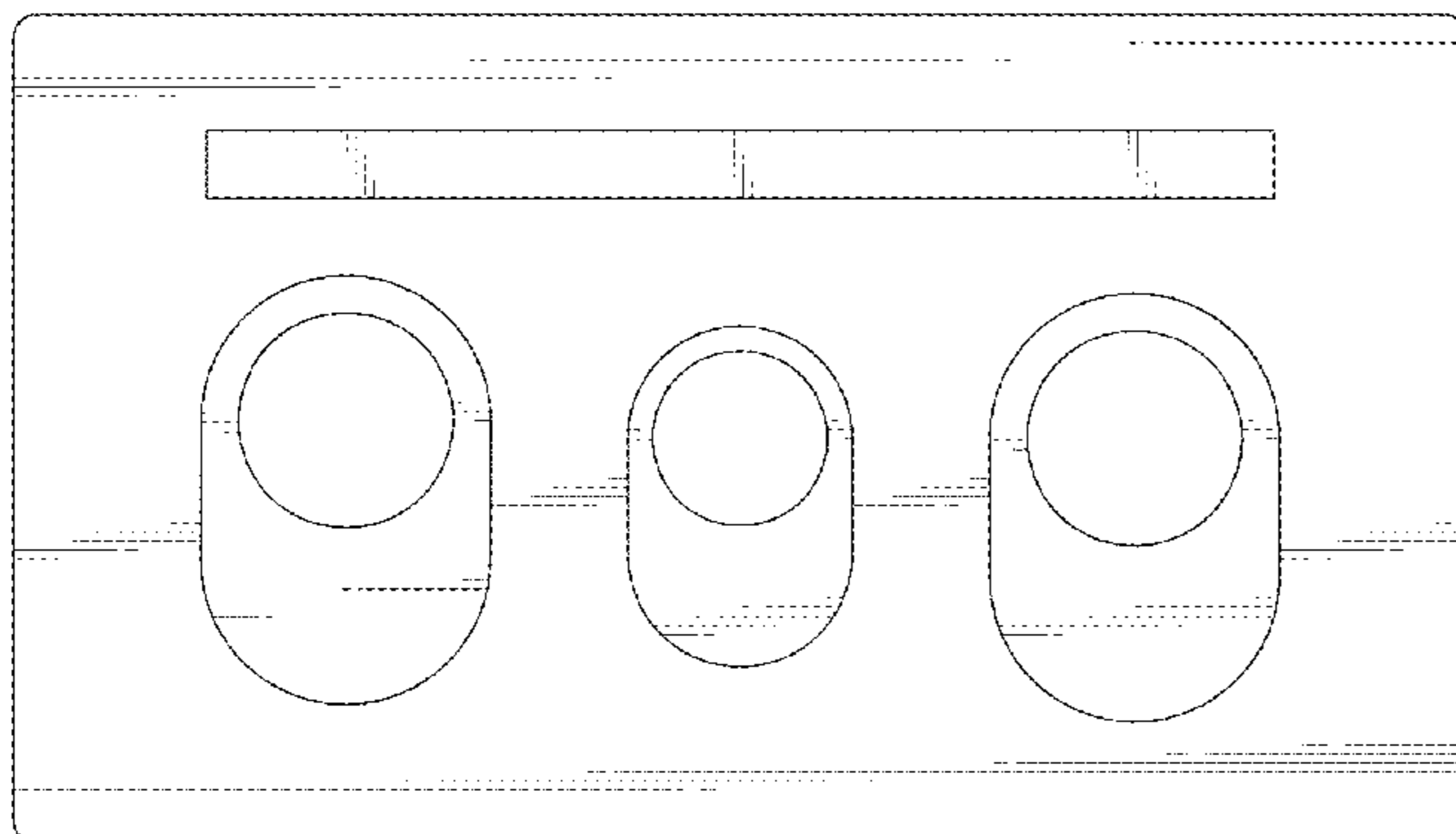
(57) **CLAIM**

The ornamental design for a dielectric filter, as shown and described.

DESCRIPTION

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

1 Claim, 8 Drawing Sheets



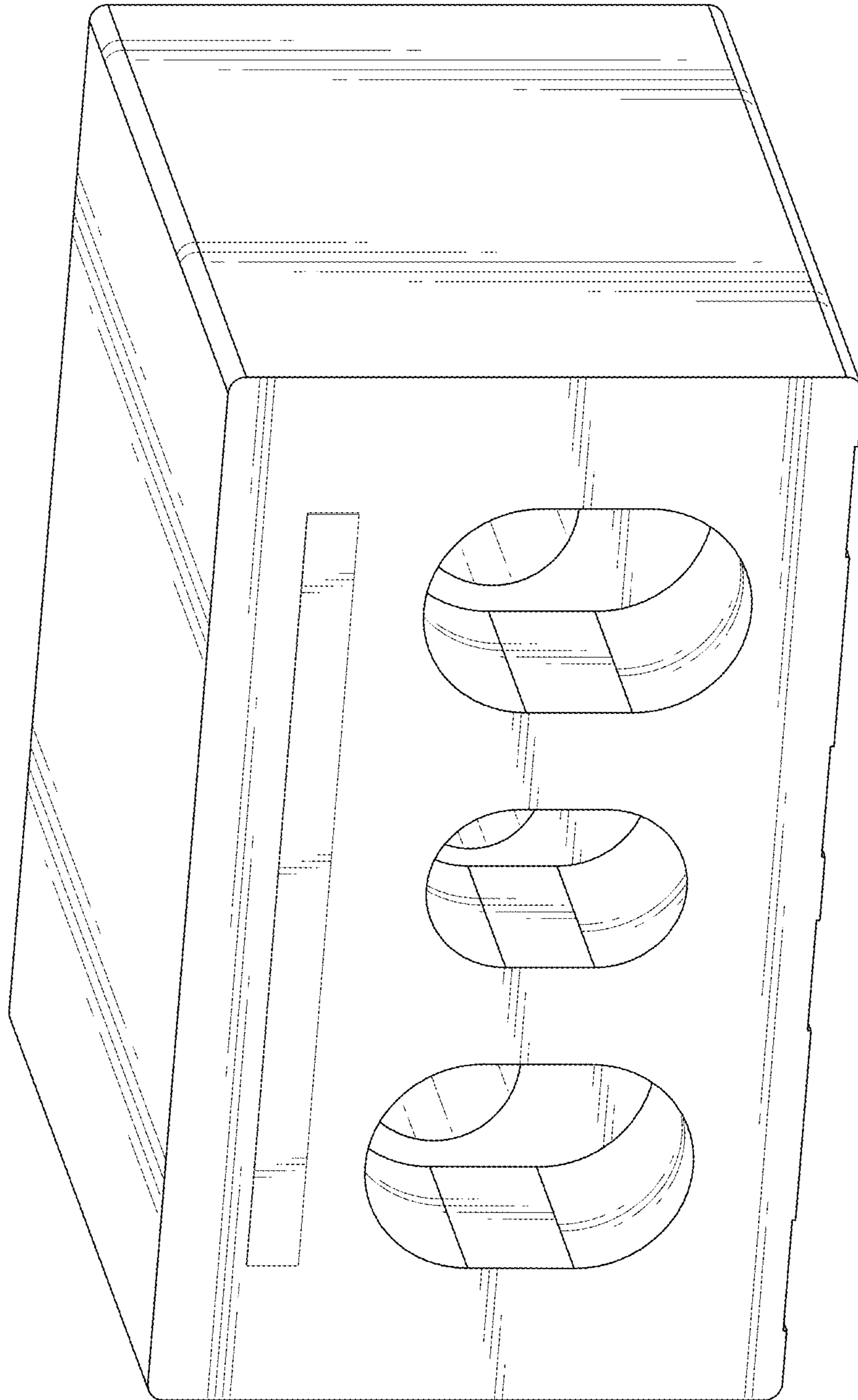


FIG.1

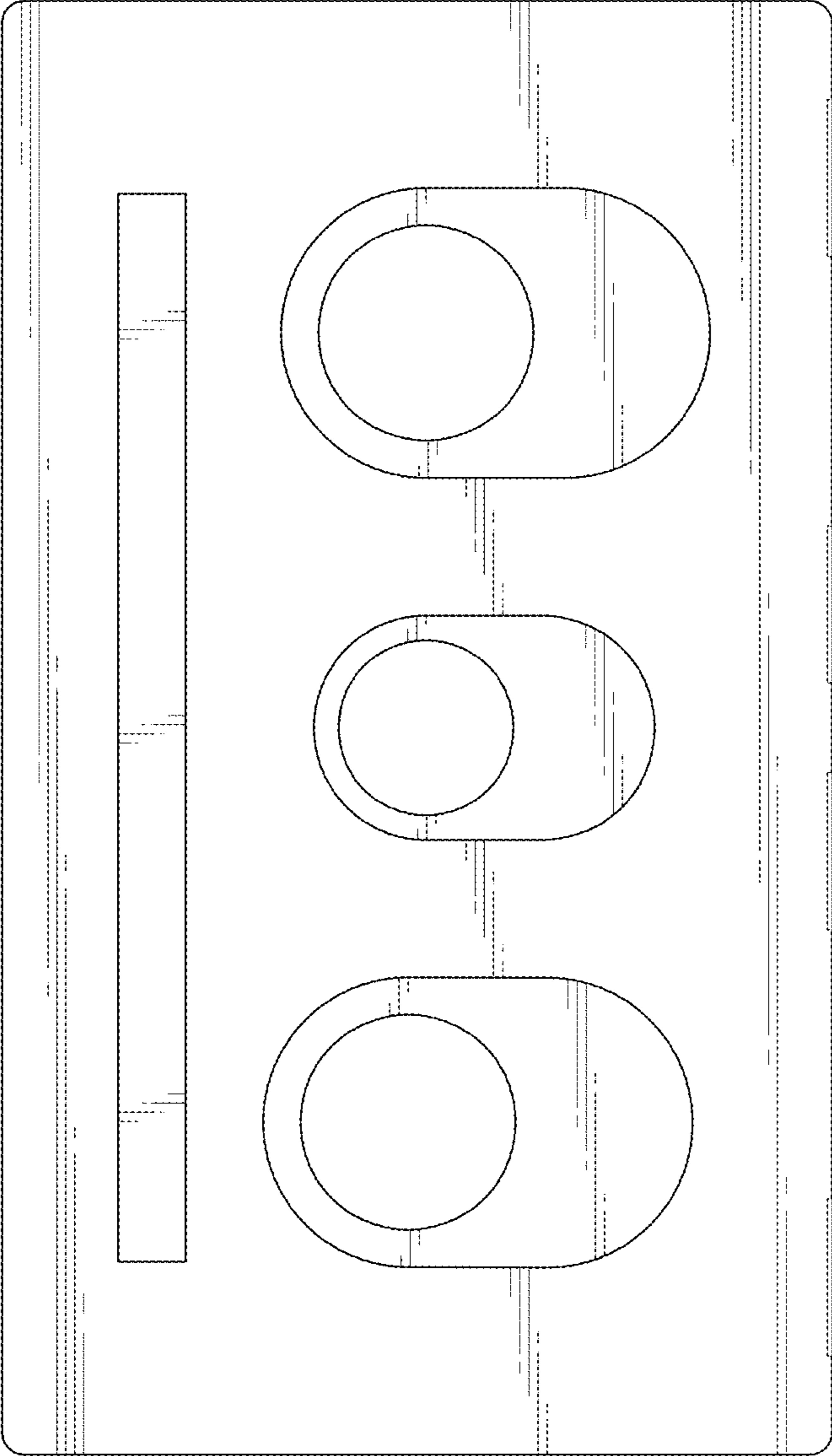


FIG.2

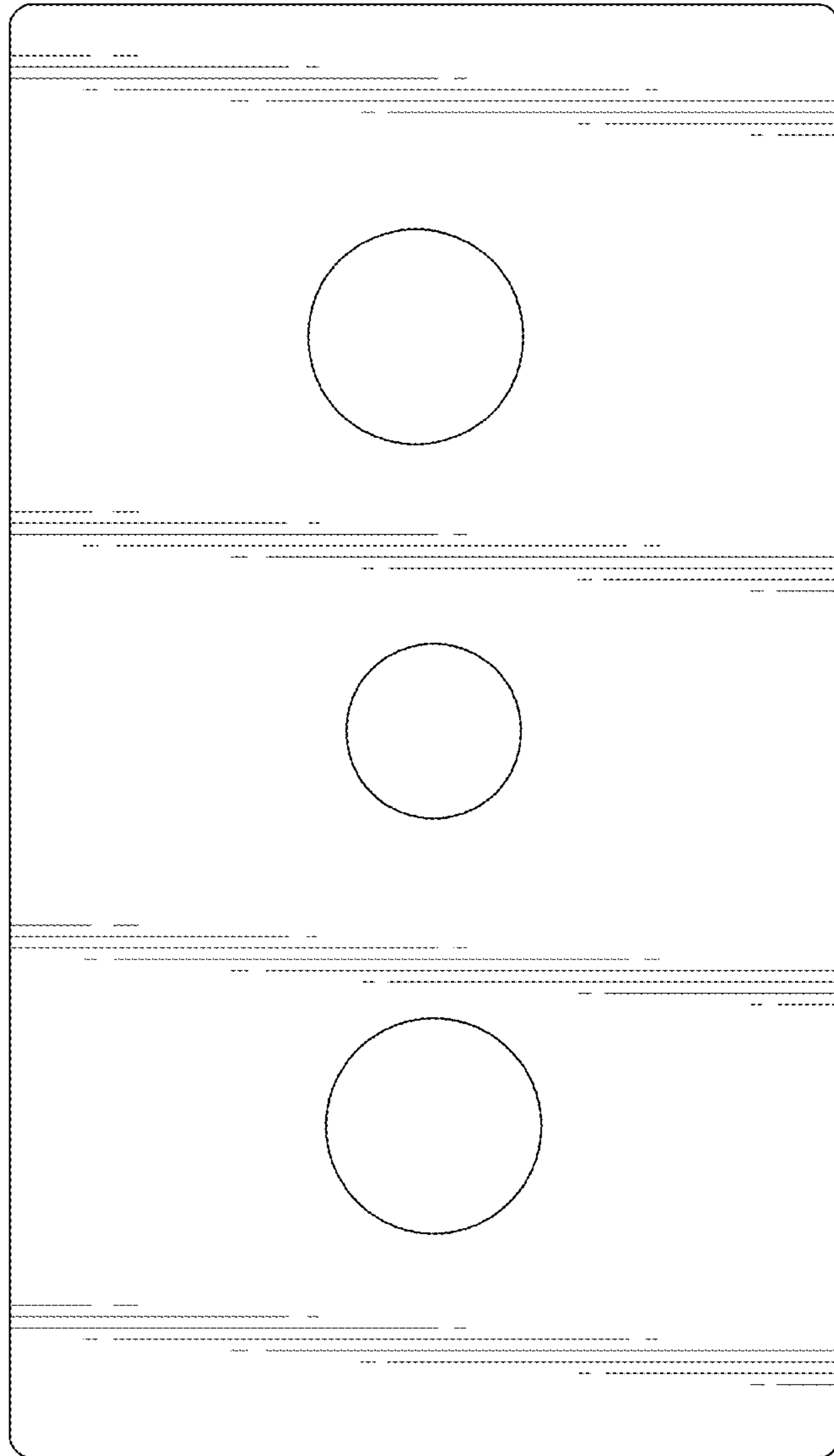


FIG.3

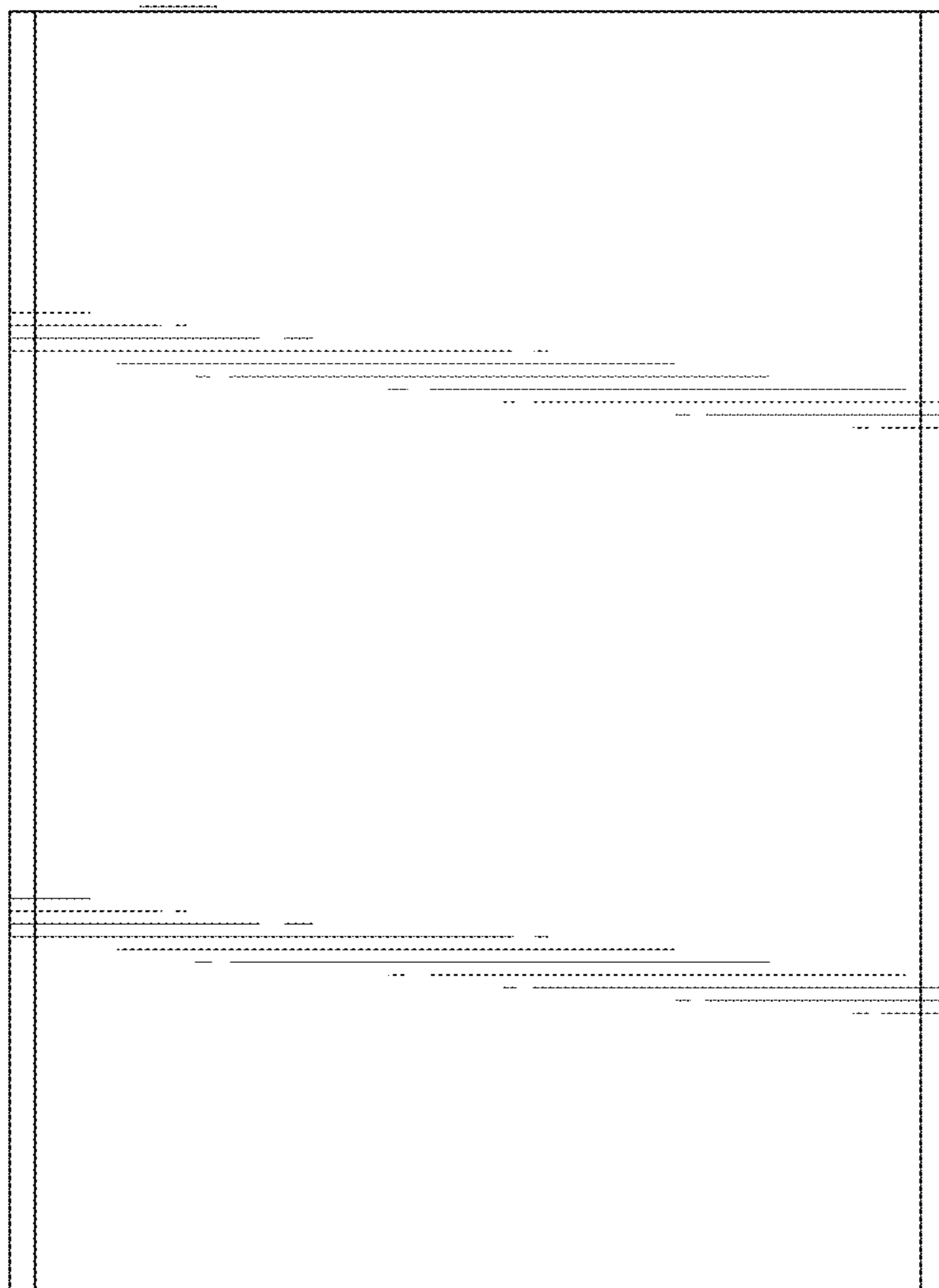


FIG.4

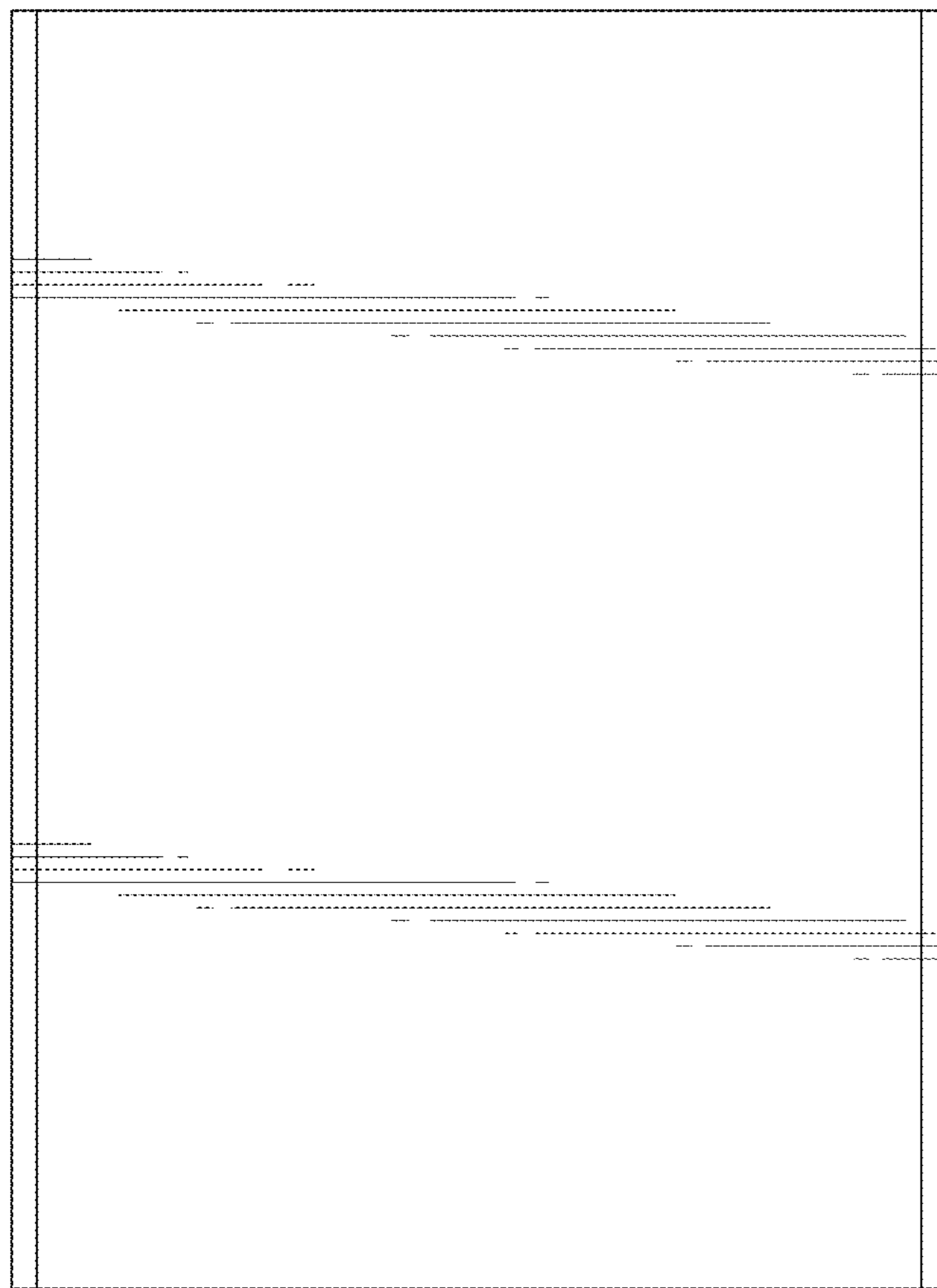


FIG. 5

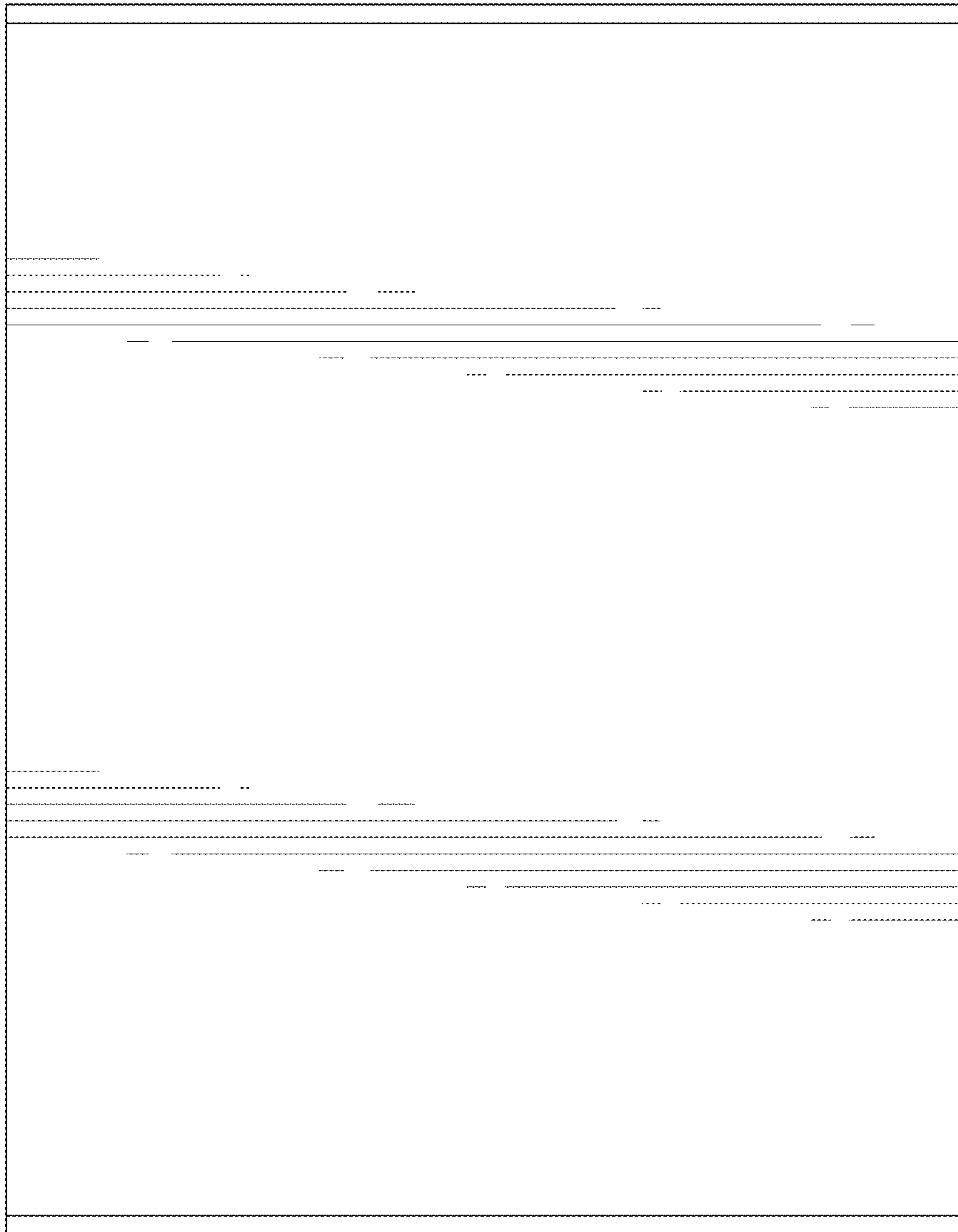


FIG.6

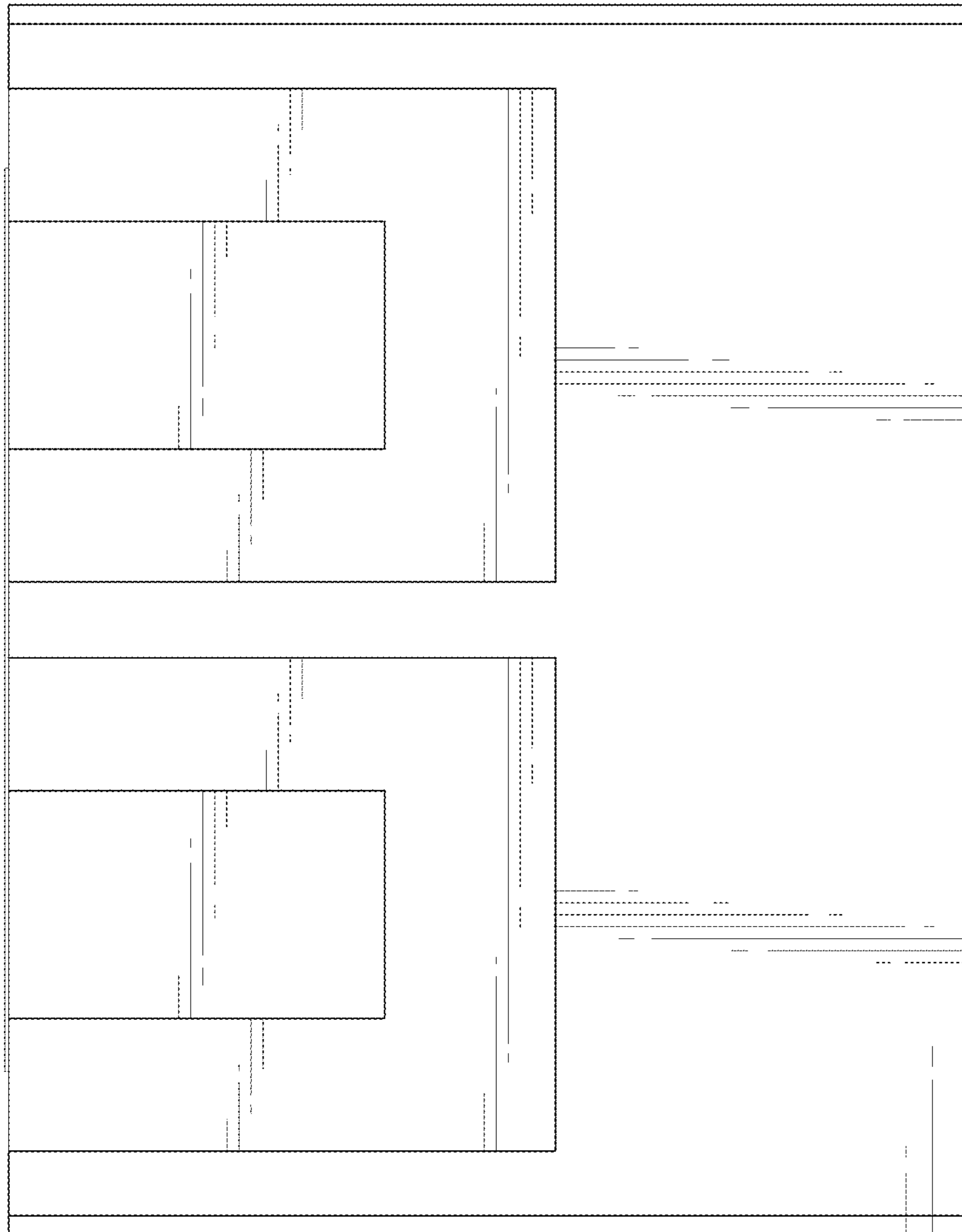


FIG.7

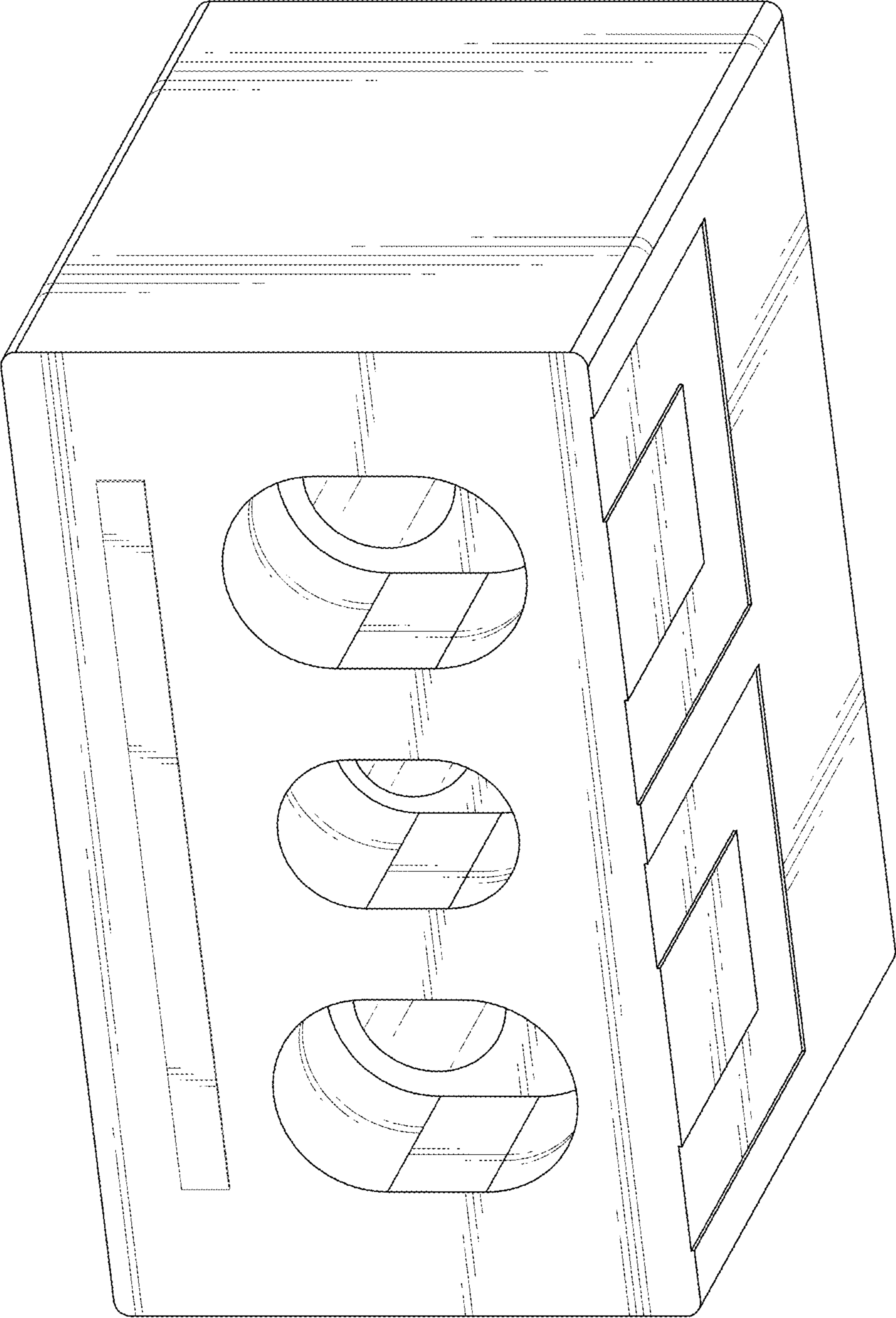


FIG.8