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

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(54) **LED LIGHT STRING CONTROLLER**

(71) Applicant: **Ningbo Juchuang Lighting Co., Ltd.,**
Yuyao (CN)

(72) Inventor: **Xinglin Wu, Yuyao (CN)**

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

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

(52) **U.S. Cl.**
USPC **D13/162**

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CPC H01H 9/02; H01H 9/0271; H01H 9/16;
H01H 9/161; H01H 9/18; H01H 9/181;
H01H 9/182; H01H 3/0213; H01H 15/00;
H01H 15/02; H01H 15/025; H01H 15/06;
H01H 15/10

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,255,780 A * 3/1981 Sakellaris H01H 9/182
200/310
- 4,563,592 A * 1/1986 Yuhasz H02M 5/257
307/115
- 4,755,913 A * 7/1988 Sleveland H01H 9/161
200/310
- 4,803,380 A * 2/1989 Jacoby, Jr H05B 39/00
307/157
- D336,744 S * 6/1993 Kahn D13/158
- D337,755 S * 7/1993 Rowen D13/170
- 5,670,776 A * 9/1997 Rothbaum H02G 3/14
250/214 AL
- D392,256 S * 3/1998 Saint-Cyr D13/158
- D419,530 S 1/2000 Wang
- D419,963 S 2/2000 Wang
- D534,872 S * 1/2007 Spira D13/162

- 7,506,990 B2 * 3/2009 Glazner F21S 8/035
362/95
- D660,131 S * 5/2012 Tailor D8/353
- 8,622,564 B2 * 1/2014 Chang H01R 13/7172
362/95
- D724,035 S * 3/2015 Flowers D13/162
- D733,078 S 6/2015 Wu
- D738,229 S * 9/2015 Jiang D10/50
- 9,301,410 B2 * 3/2016 Rohmer H05K 5/02
- D767,513 S 9/2016 Jacoby
- D828,309 S 9/2018 Tang
- D837,746 S * 1/2019 Guan D13/162
- D839,847 S 2/2019 Dimberg
- D877,093 S 3/2020 Tang

(Continued)

OTHER PUBLICATIONS

RGBZONE RGB LED Dimmer Wall Switch; Aug. 16, 2016; 2 pgs.;
<https://www.amazon.com/RGBZONE-mounted-Plastic-Multi-color-Lighting/dp/B014R2B56E?th=1>.*

(Continued)

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Rumit Ranjit Kanakia

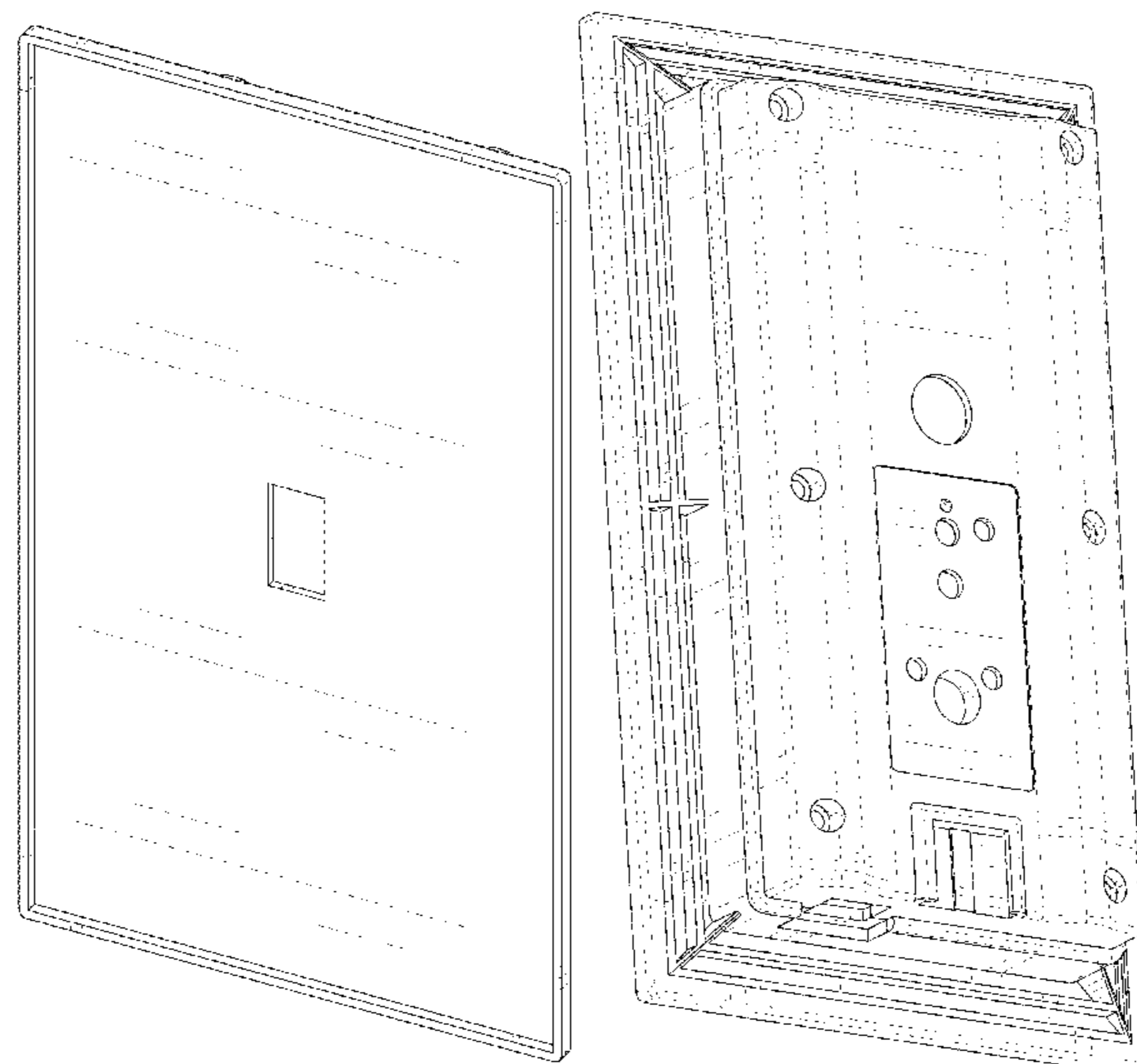
(57) **CLAIM**

The ornamental design for a LED light string controller, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a LED light string controller showing my new design; FIG. 2 is a rear elevational view thereof; and FIG. 3 is a left side view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a perspective view of a LED light string controller showing my new design; and, FIG. 8 is another perspective view thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D877,097	S	3/2020	Tang	
10,704,776	B2 *	7/2020	Grandadam	..... F21V 23/04
D892,751	S	8/2020	Altonen	
D893,437	S	8/2020	Dimberg	
D907,586	S *	1/2021	Lombardi	..... D13/162
D931,822	S *	9/2021	Fu	..... D13/162
2006/0072302	A1 *	4/2006	Chien	..... F21S 6/003 362/84
2008/0081146	A1 *	4/2008	Egea Soler	..... E01H 1/1206 428/99
2015/0077021	A1 *	3/2015	Smith	..... H01H 9/54 315/362
2017/0359068	A1 *	12/2017	Omori	..... H01H 9/16
2020/0328052	A1 *	10/2020	Singh	..... H01H 23/143
2020/0343060	A1 *	10/2020	Lin	..... H05B 47/19
2021/0151264	A1 *	5/2021	Omori	..... H01H 36/00
2021/0398754	A1 *	12/2021	Ye	..... H01H 9/08

OTHER PUBLICATIONS

Wall Mount Touch Color RGB Controller Instruction Sheet; retrieved on Jan. 5, 2022; 2 pgs.; http://d114hh0cykhyb0.cloudfront.net/pdfs/ldwm-rgb3-tc_instructions.pdf.*

http://d114hh0cykhyb0.cloudfront.net/pdfs/ldwm-rgb3-tc_instructions.pdf; Jan. 14, 2015; 2 pgs; https://www.amazon.com/dp/B00S803KJM/ref=olp-opf-redir?aod=1&th=1&psc=1&f_new=true.*

* cited by examiner

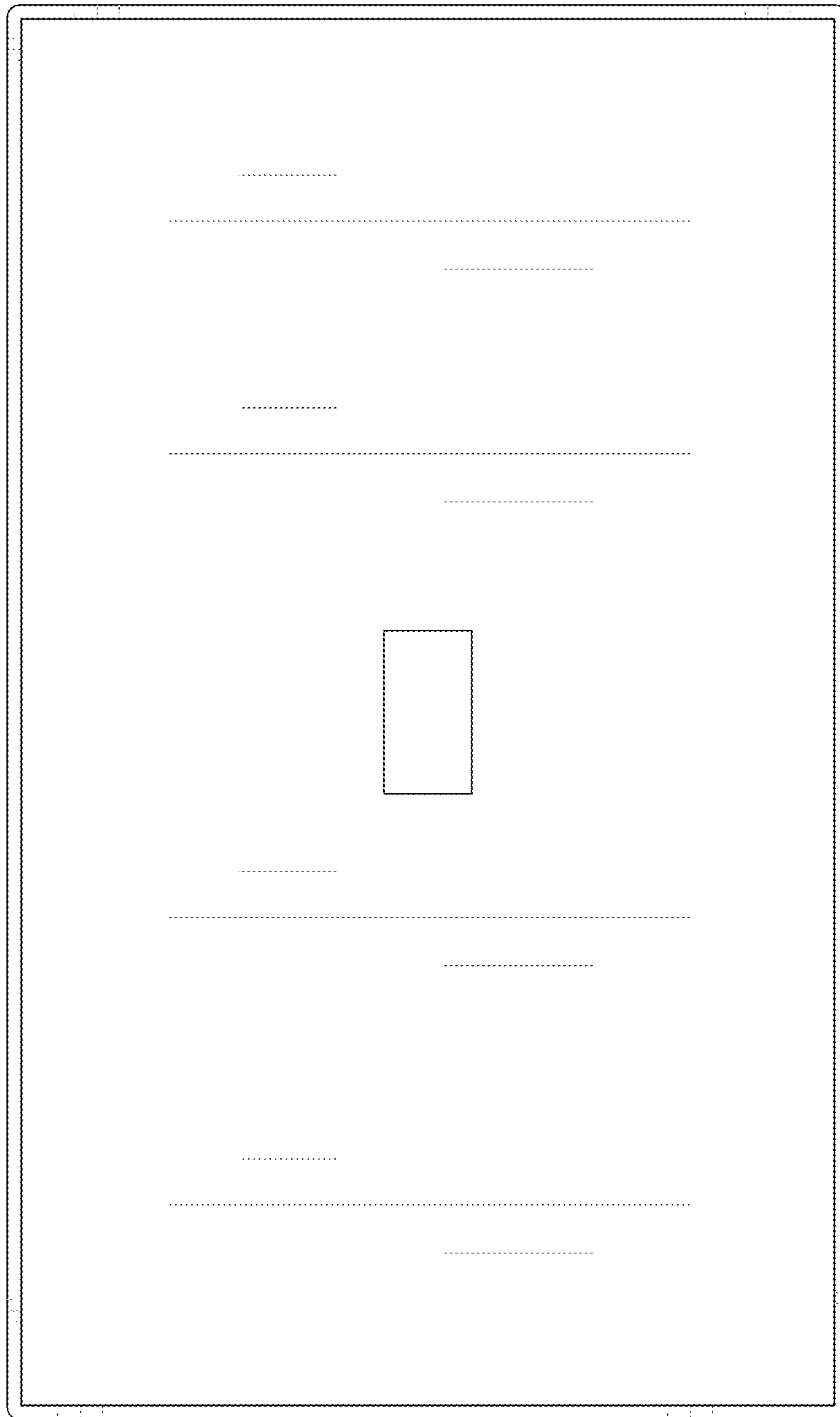


FIG. 1

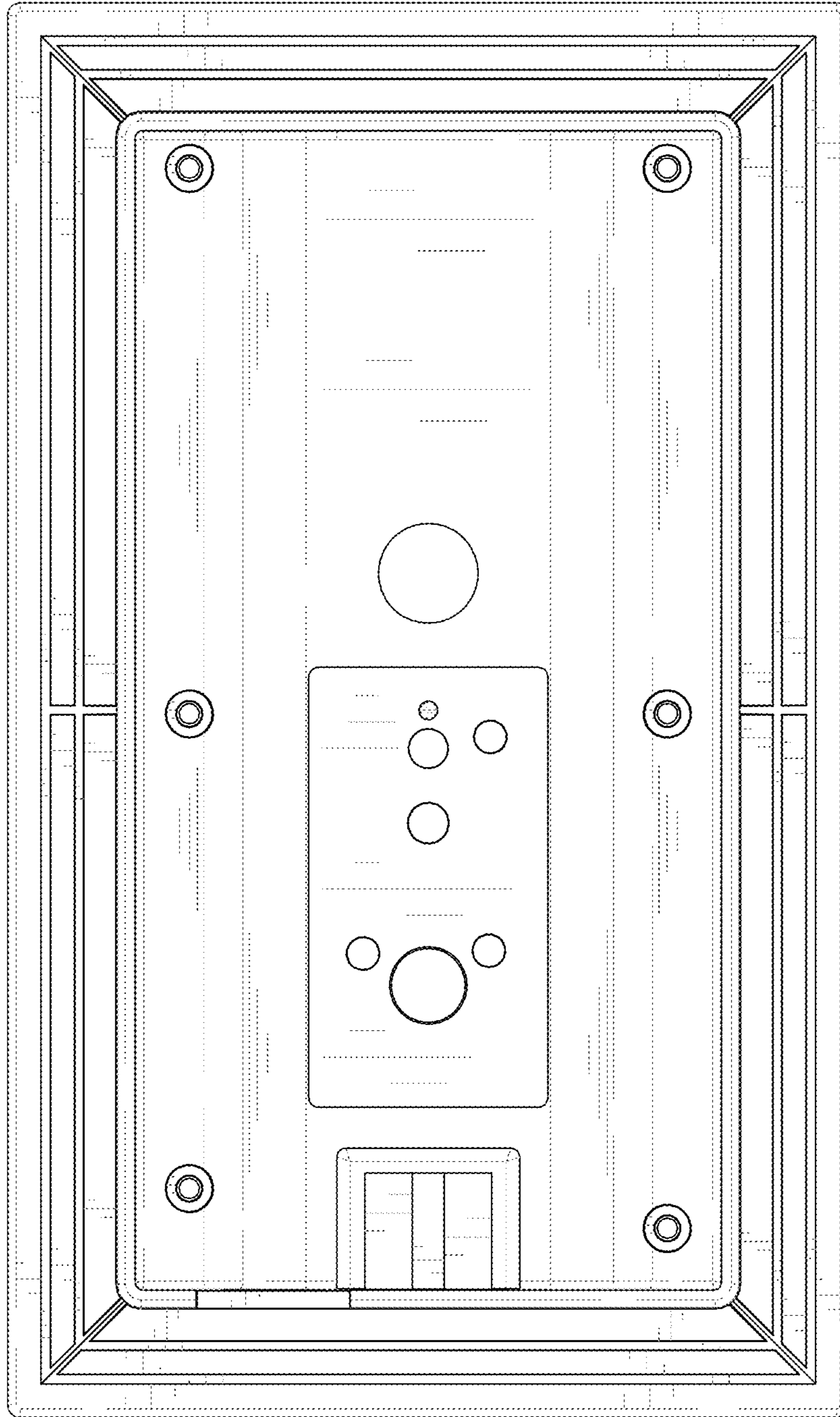


FIG. 2

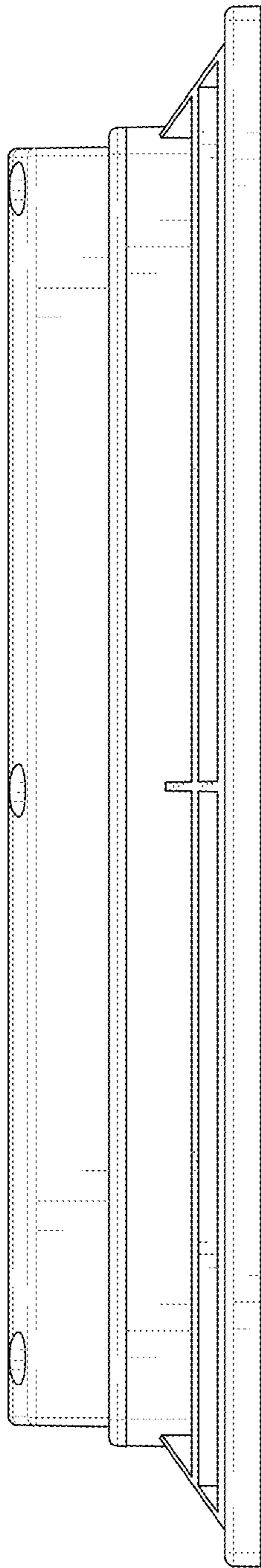


FIG. 3

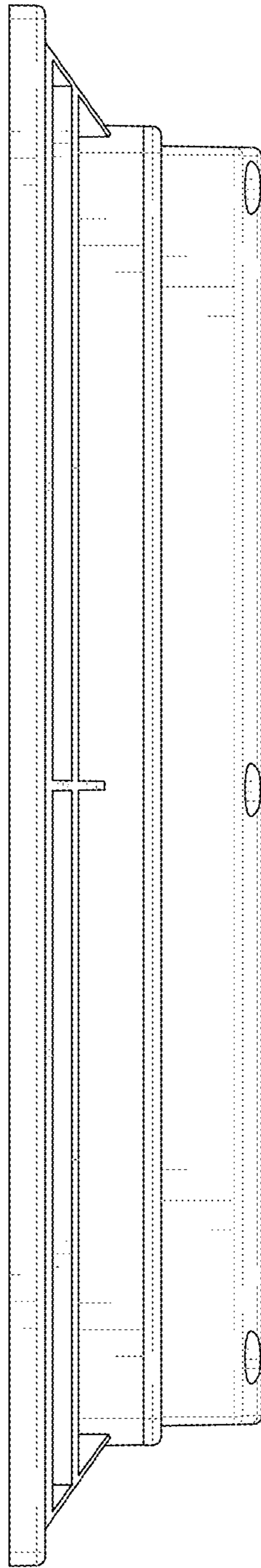


FIG. 4

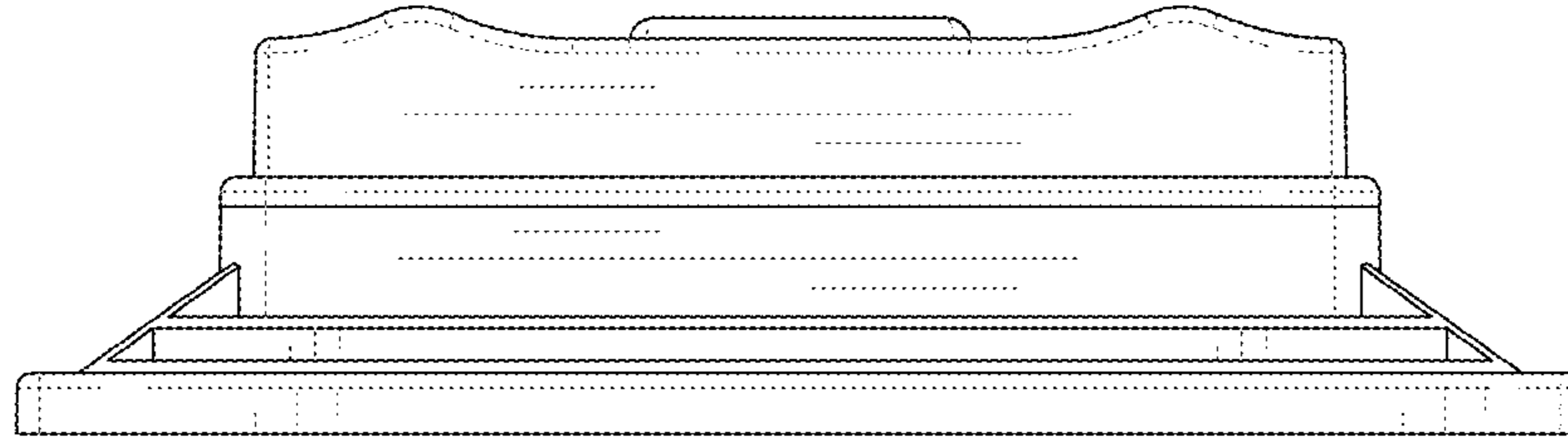


FIG. 5

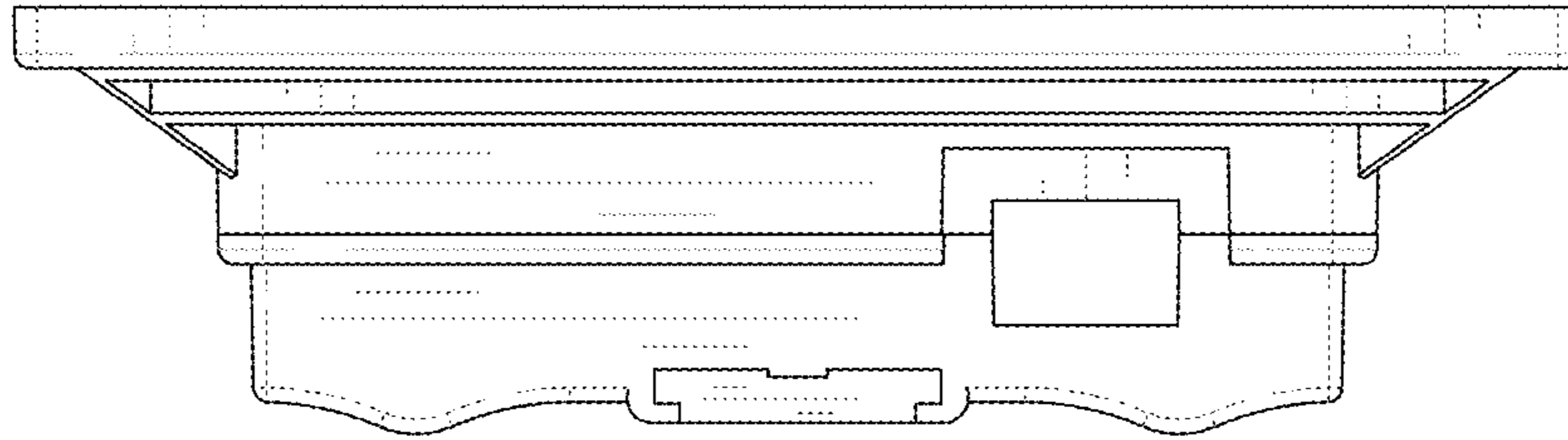


FIG. 6

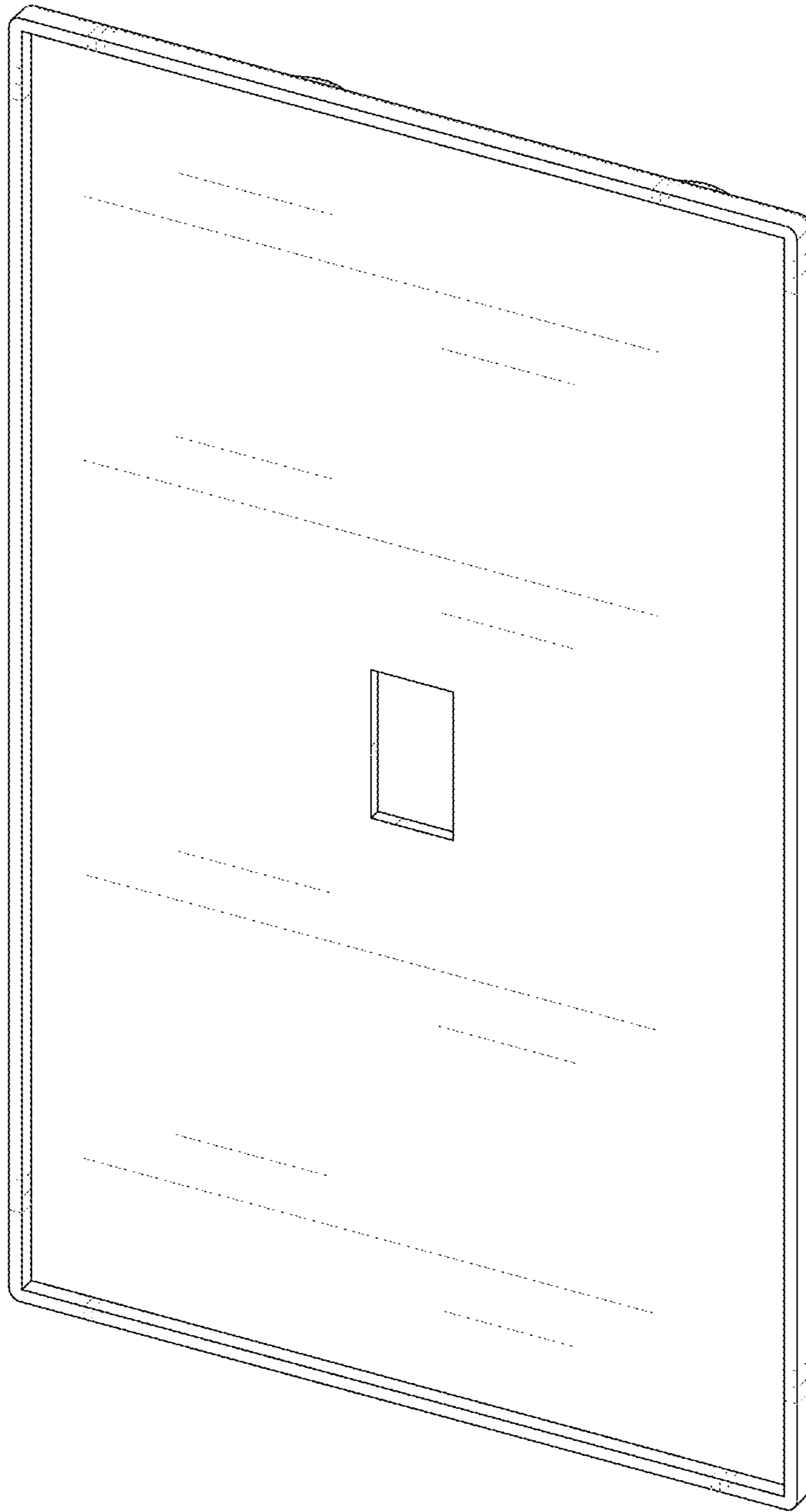


FIG. 7

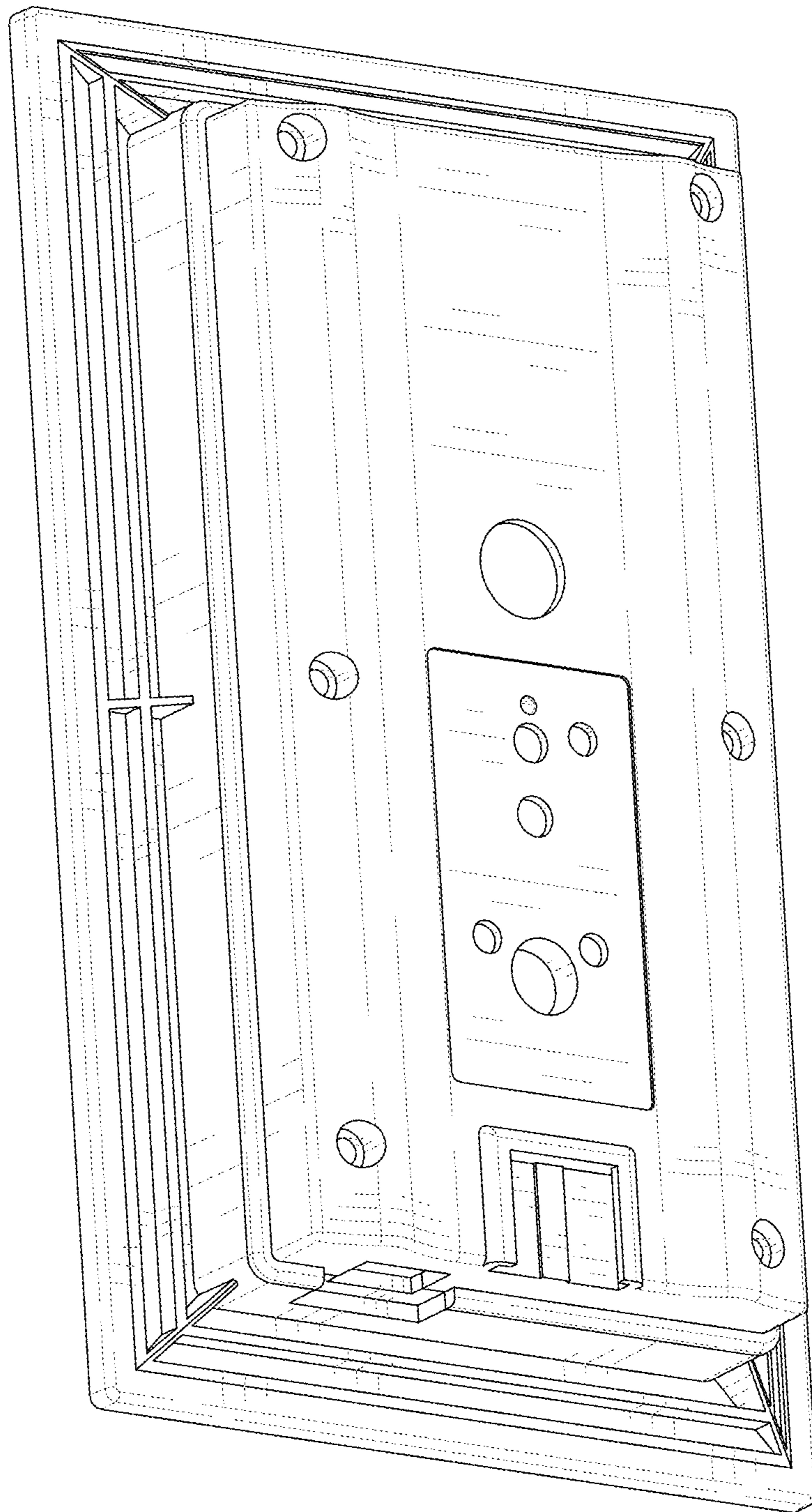


FIG. 8