



US00D931123S

(12) **United States Design Patent** (10) **Patent No.:** **US D931,123 S**  
**Yu** (45) **Date of Patent:** **\*\* Sep. 21, 2021**(54) **BARBECUE THERMOMETER**(71) Applicant: **FUZHOU ESUN ELECTRONIC CO., LTD**, Fujian (CN)(72) Inventor: **Guo Yu**, Fujian (CN)(73) Assignee: **FUZHOU ESUN ELECTRONIC CO., LTD**, Fuzhou (CN)(\*\*) Term: **15 Years**(21) Appl. No.: **29/775,124**(22) Filed: **Mar. 22, 2021**(30) **Foreign Application Priority Data**

Jan. 14, 2021 (CN) ..... 202130025532.1

(51) LOC (13) Cl. ..... **10-04**

(52) U.S. Cl.

USPC ..... **D10/57**(58) **Field of Classification Search**

USPC ..... D10/46, 49–60, 81

CPC ..... H04N 5/332; H04N 21/2143; H04N 21/42221; H04N 21/4516; H04N 21/4343; H04N 21/43637; H04N 5/3651; A61F 2007/0096; A41D 19/0027; A61D 13/00; G04B 47/06; G04B 47/068; G04B 47/008; G01K 1/026; G01K 2207/02; G01K 7/427; G01K 15/00; G01K 2207/06; G01K 1/024; G01K 1/086; G01K 2207/00; G01K 1/00; G01K 1/02; G01K 7/18; G01K 9/00; A47J (Continued)

(56) **References Cited**

## U.S. PATENT DOCUMENTS

D579,799 S \* 11/2008 Barton ..... D10/50  
D744,433 S \* 12/2015 Baumgartner ..... D13/162

(Continued)

## FOREIGN PATENT DOCUMENTS

CN 305384686 \* 5/2019  
CN 305284995 \* 8/2019  
(Continued)

## OTHER PUBLICATIONS

ThermoPro, Long Range Bluetooth Meat Thermometer, Date first available Sep. 25, 2020, [online] retrieved Jun. 23, 2021, available from [https://www.amazon.com/dp/B08K2G5Y78/ref=sspa\\_dk\\_detail\\_2?psc=1&pd\\_rd\\_i=B08K2G5Y78p13NParams&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUExSFZaUjlTOUdVOEdWJmVuY3J5cHRIZEIkPUEwODAxODM1MT](https://www.amazon.com/dp/B08K2G5Y78/ref=sspa_dk_detail_2?psc=1&pd_rd_i=B08K2G5Y78p13NParams&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUExSFZaUjlTOUdVOEdWJmVuY3J5cHRIZEIkPUEwODAxODM1MT) (Year: 2020).\*

(Continued)

*Primary Examiner — Keli L Hill  
Assistant Examiner — Sara S Sahneh*(57) **CLAIM**

The ornamental design for a barbecue thermometer, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of a barbecue thermometer showing my new design;

FIG. 2 is a rear elevational view thereof;

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 front and right side perspective view thereof;

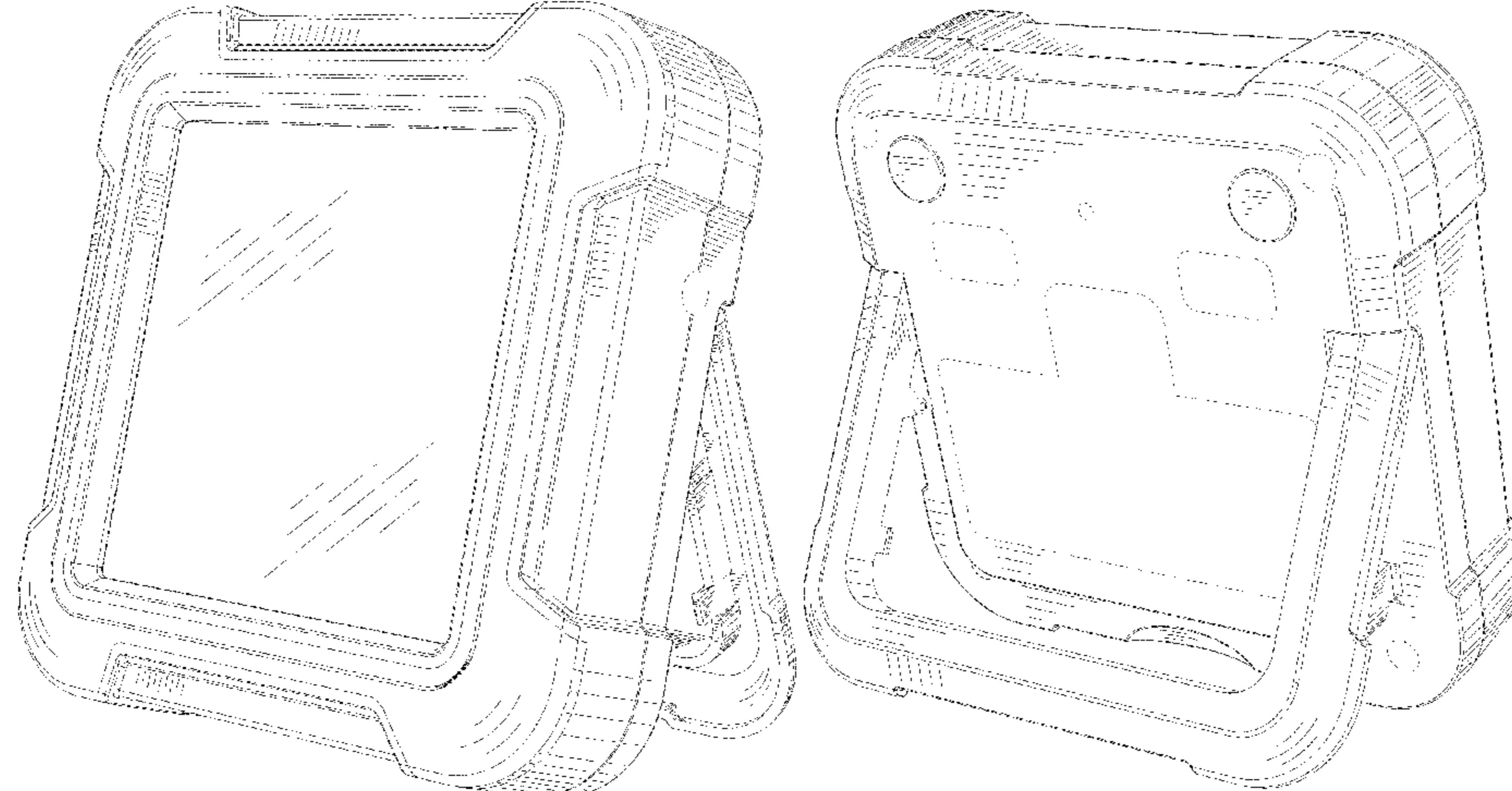
FIG. 8 is a rear and left side perspective view thereof;

FIG. 9 is a front and right side perspective view showing the barbecue thermometer in a use state;

FIG. 10 is a top, rear and left side perspective view showing the barbecue thermometer in a use state; and,

FIG. 11 is a bottom, rear and left side perspective view showing the barbecue thermometer in a use state.

(Continued)



The broken lines in the drawings illustrate portions of the barbecue thermometer which form no part of the claimed design.

**1 Claim, 11 Drawing Sheets****(58) Field of Classification Search**

CPC ..... 43/288; G01J 5/021; G01J 5/048; G01J 5/028; G01J 5/0011; G01J 5/0265; G07C 1/00; H04W 84/12; G06F 3/04847; G05D 23/1902; G05D 23/1917; F24F 2221/32

See application file for complete search history.

**(56)****References Cited**

## U.S. PATENT DOCUMENTS

D758,217	S	*	6/2016	Kumfer .....	D10/50
D760,398	S	*	6/2016	Douglas .....	D24/210
D801,288	S	*	10/2017	Kim .....	D13/168
D802,450	S	*	11/2017	Boynton .....	D10/50
D840,846	S	*	2/2019	Liu .....	D10/57
D863,990	S	*	10/2019	Hu .....	D10/52
D864,773	S	*	10/2019	Zhang .....	D10/81
D878,936	S	*	3/2020	Yu .....	D10/57
D881,827	S	*	4/2020	Chouji .....	D13/168
D885,943	S	*	6/2020	Yu .....	D10/57
D891,949	S	*	8/2020	Yi .....	D10/57

## FOREIGN PATENT DOCUMENTS

EM	003780519-0002	*	3/2017
EM	003780519-0005	*	3/2017
EM	006514576-0001	*	5/2019
EM	008520233-0001	*	4/2021
EM	008564405-0001	*	6/2021

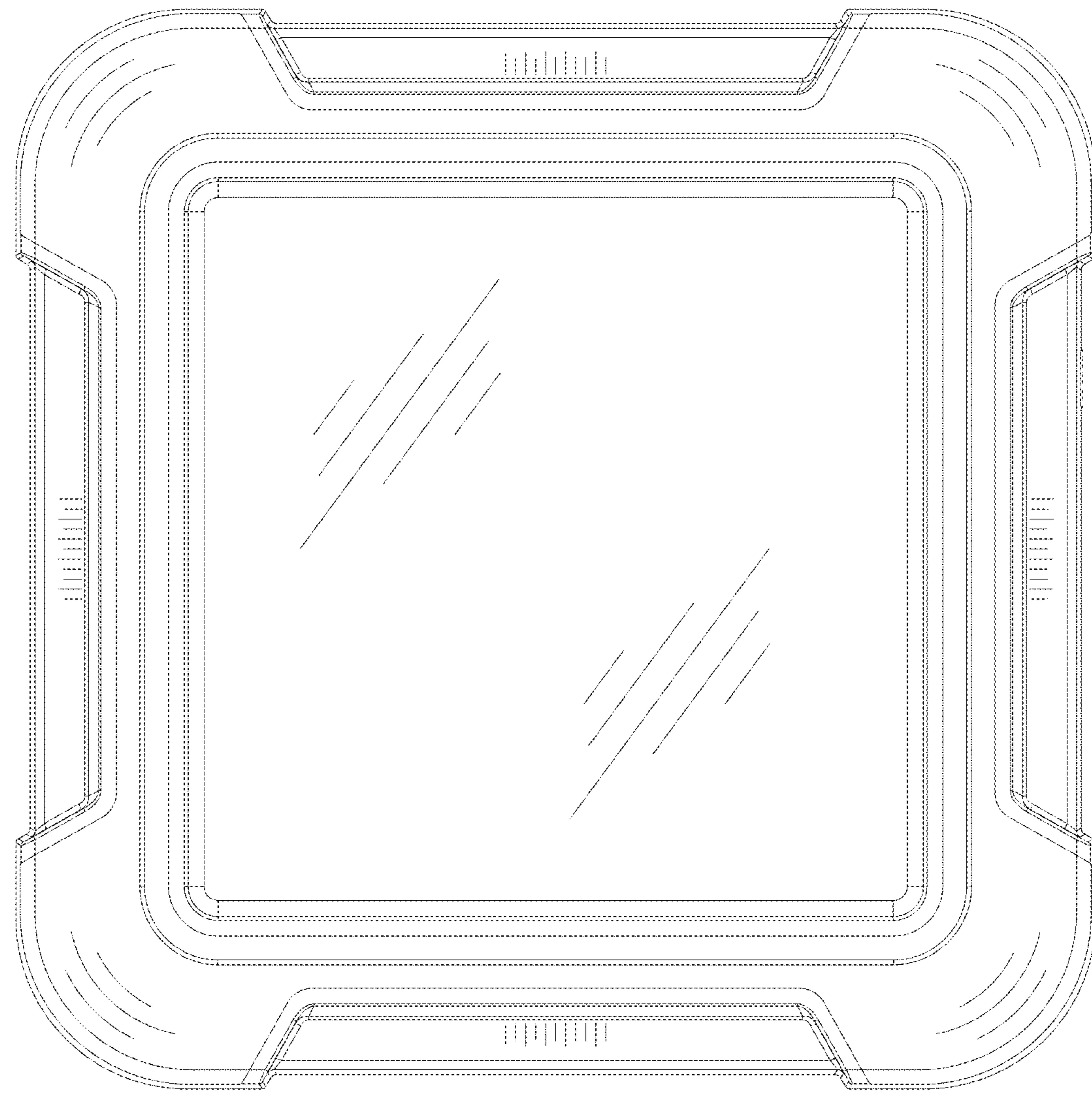
## OTHER PUBLICATIONS

SMARTRO Store, Dual Probe Digital Meat Thermometer, Date first available Aug. 20, 2019, [online] retrieved Jun. 23, 2021, available from [https://www.amazon.com/SMARTRO-Digital-Thermometer-Cooking-Commercial-Grade/dp/B07WNV6HPK?ref\\_=ast\\_sto\\_dp](https://www.amazon.com/SMARTRO-Digital-Thermometer-Cooking-Commercial-Grade/dp/B07WNV6HPK?ref_=ast_sto_dp) (Year: 2019).\*

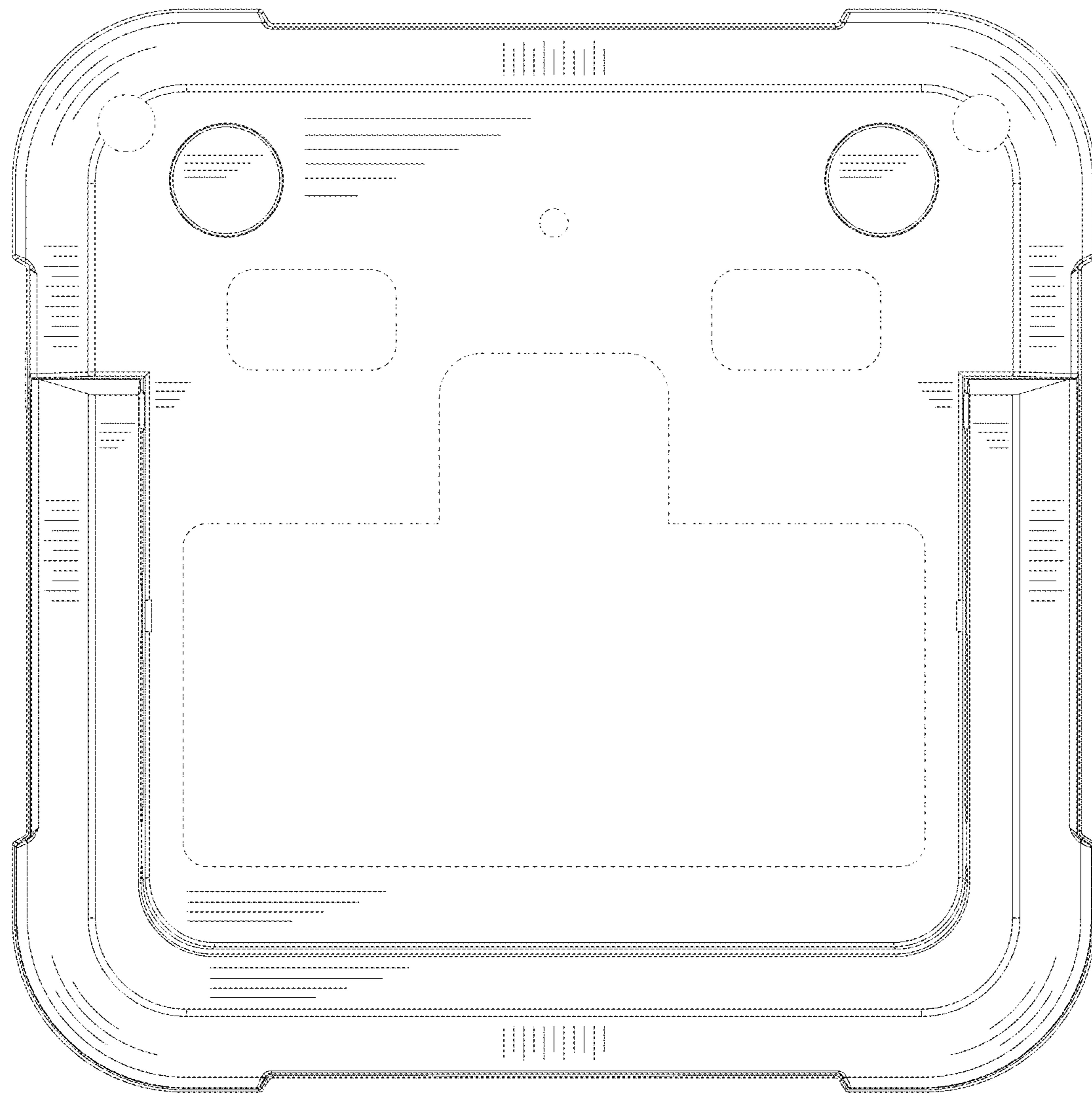
Migvela, Meat Thermometer, Date first available Nov. 21, 2017, [online] retrieved Jun. 23, 2021, available from [https://www.amazon.com/Digital-Bluetooth-Meat-Thermometer-iPhone/dp/B077N74X59/ref=pd\\_di\\_sccai\\_1/130-4064296-2864548?pd\\_rd\\_w](https://www.amazon.com/Digital-Bluetooth-Meat-Thermometer-iPhone/dp/B077N74X59/ref=pd_di_sccai_1/130-4064296-2864548?pd_rd_w) (Year: 2017).\*

Chugod, Bluetooth Meat Thermometer, Date first available Jun. 15, 2017, [online] retrieved Jun. 23, 2021, available from [https://www.amazon.com/dp/B07FWVWK77/ref=sspa\\_dk\\_detail\\_0?pd\\_rd\\_i=B07FWVWK77&pd\\_rd\\_w=2dP9X&pf\\_rd\\_p=5d846283-ed3e-4512-a744-a30f97c5d738&pd\\_rd\\_wg=dscVA&pf\\_rd\\_r=SCD4ZGG15XJS19FRGTN3&pd\\_rd\\_r=e](https://www.amazon.com/dp/B07FWVWK77/ref=sspa_dk_detail_0?pd_rd_i=B07FWVWK77&pd_rd_w=2dP9X&pf_rd_p=5d846283-ed3e-4512-a744-a30f97c5d738&pd_rd_wg=dscVA&pf_rd_r=SCD4ZGG15XJS19FRGTN3&pd_rd_r=e) (Year: 2017).\*

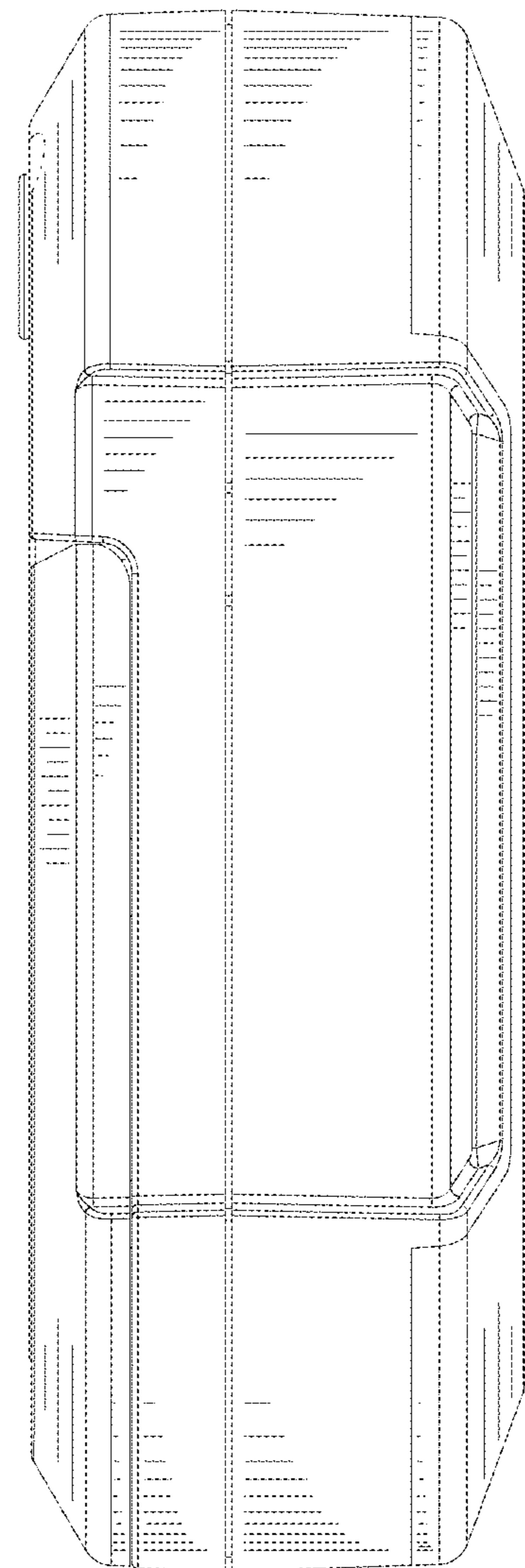
\* cited by examiner



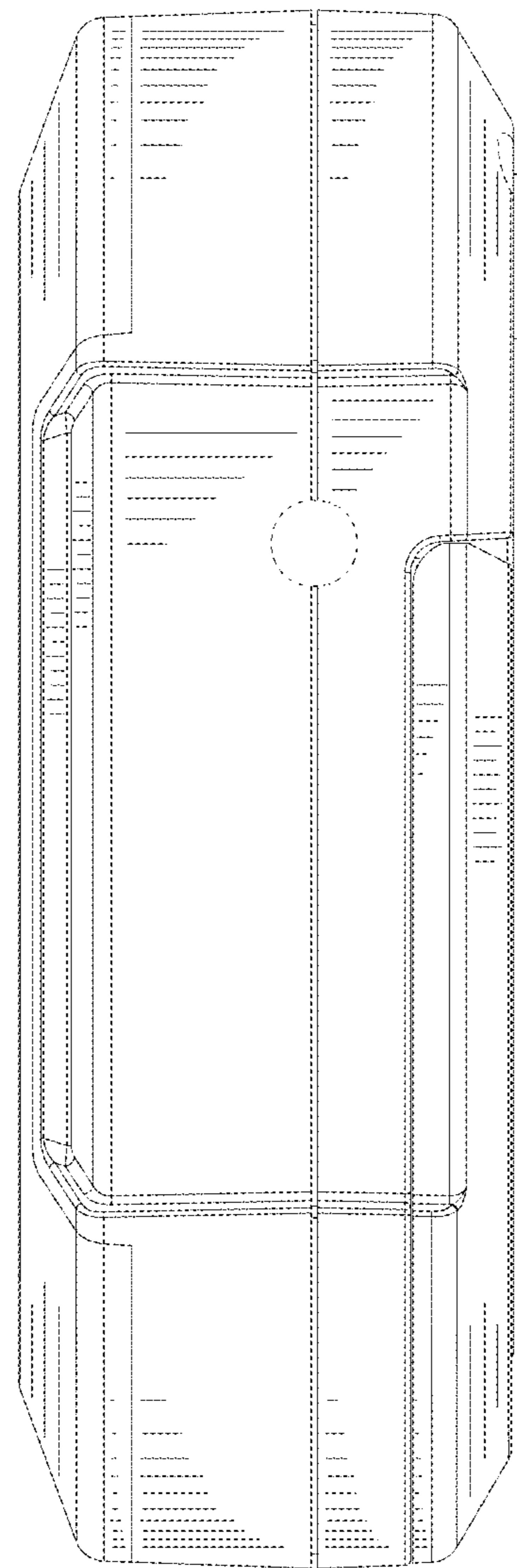
**FIG.1**



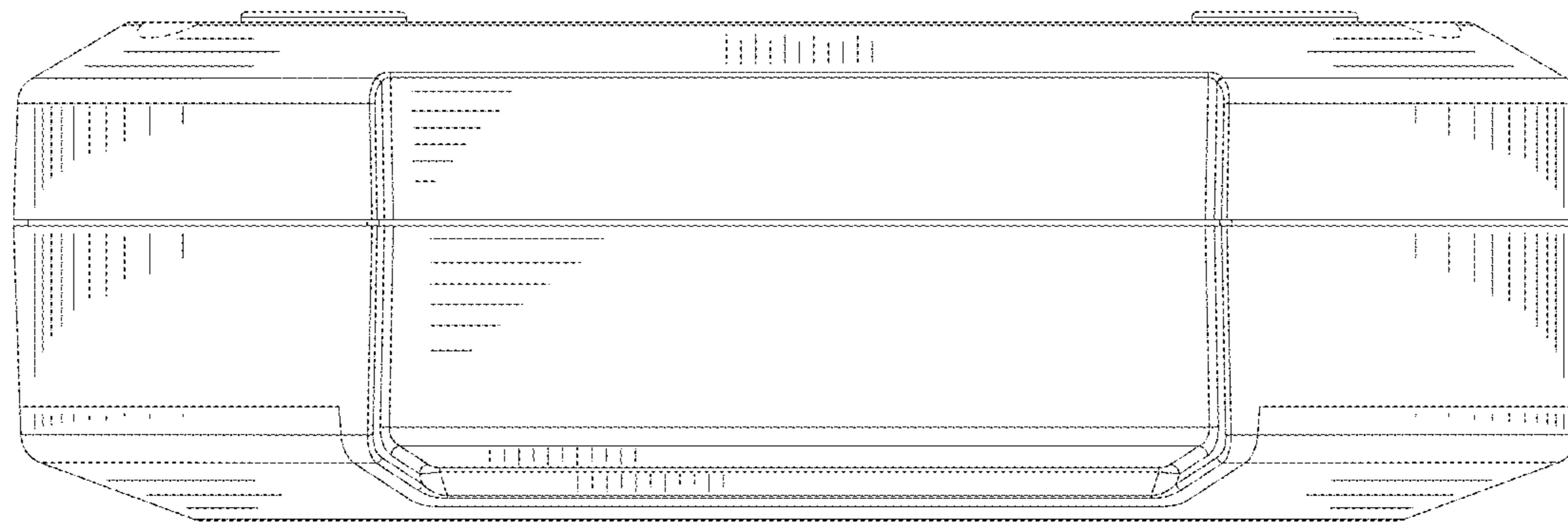
**FIG.2**



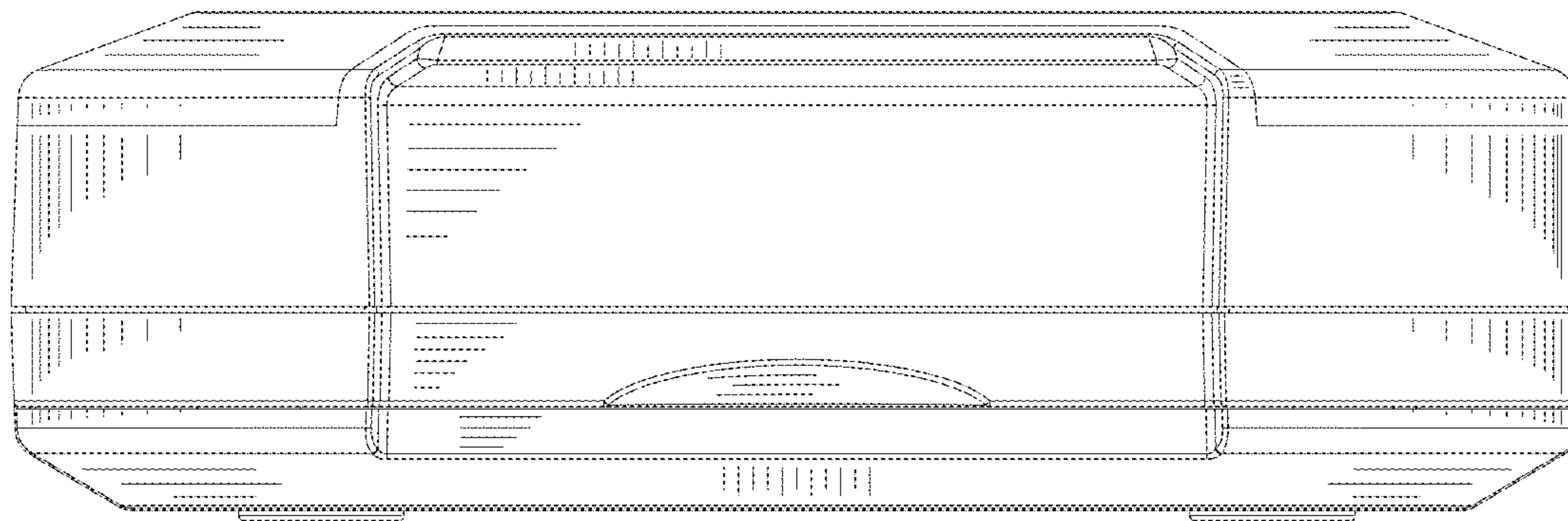
**FIG.3**



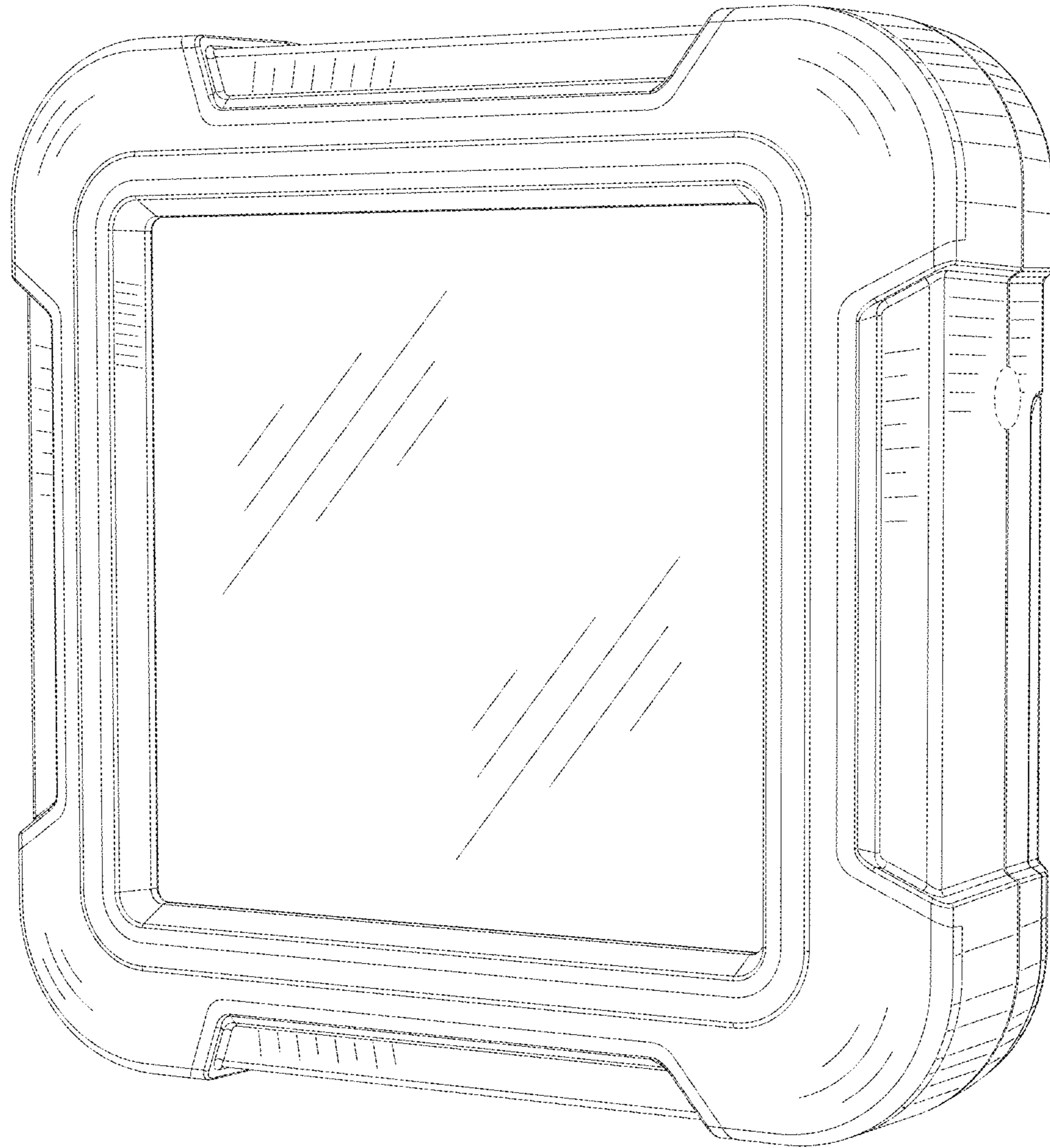
**FIG.4**



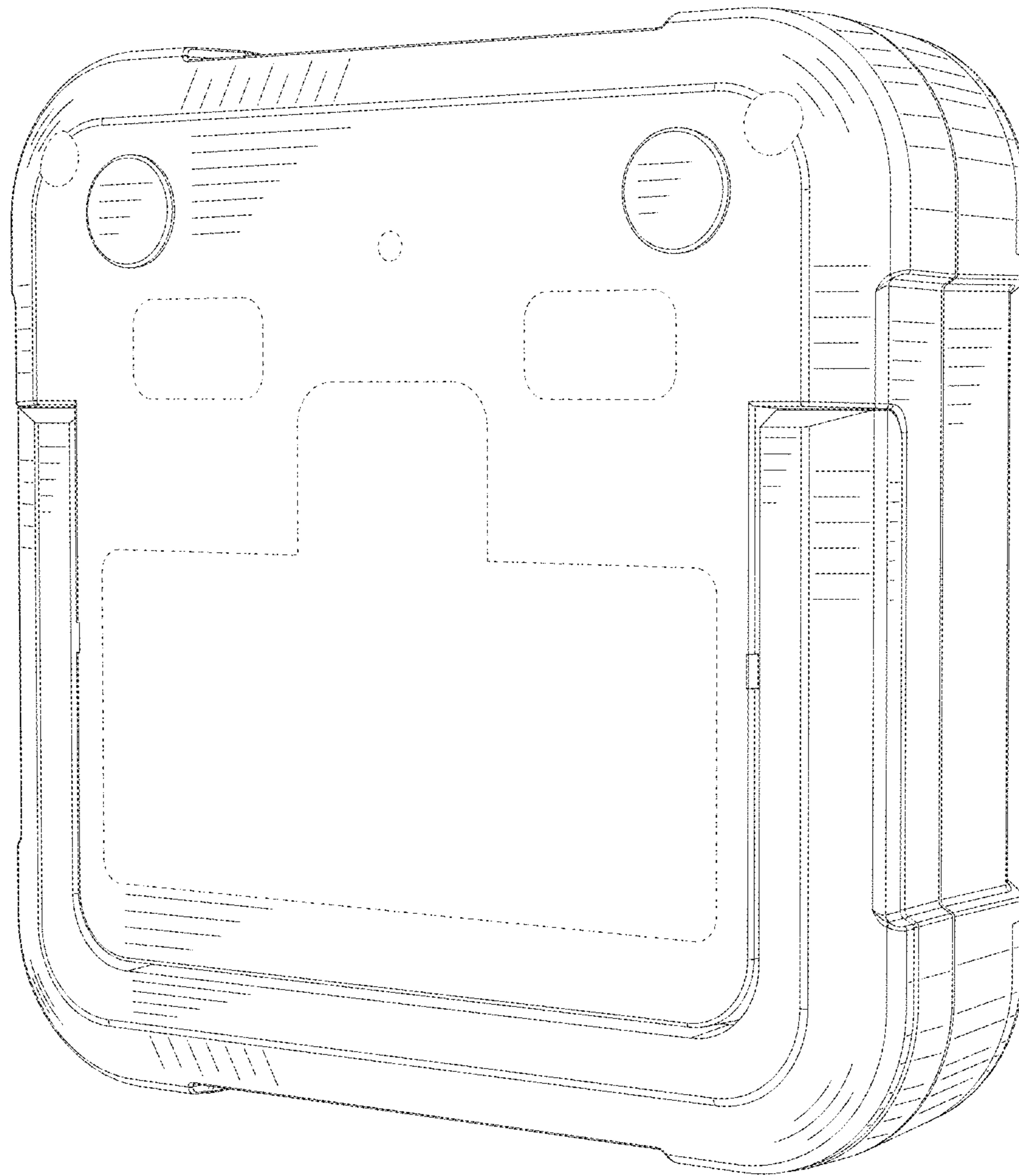
**FIG.5**



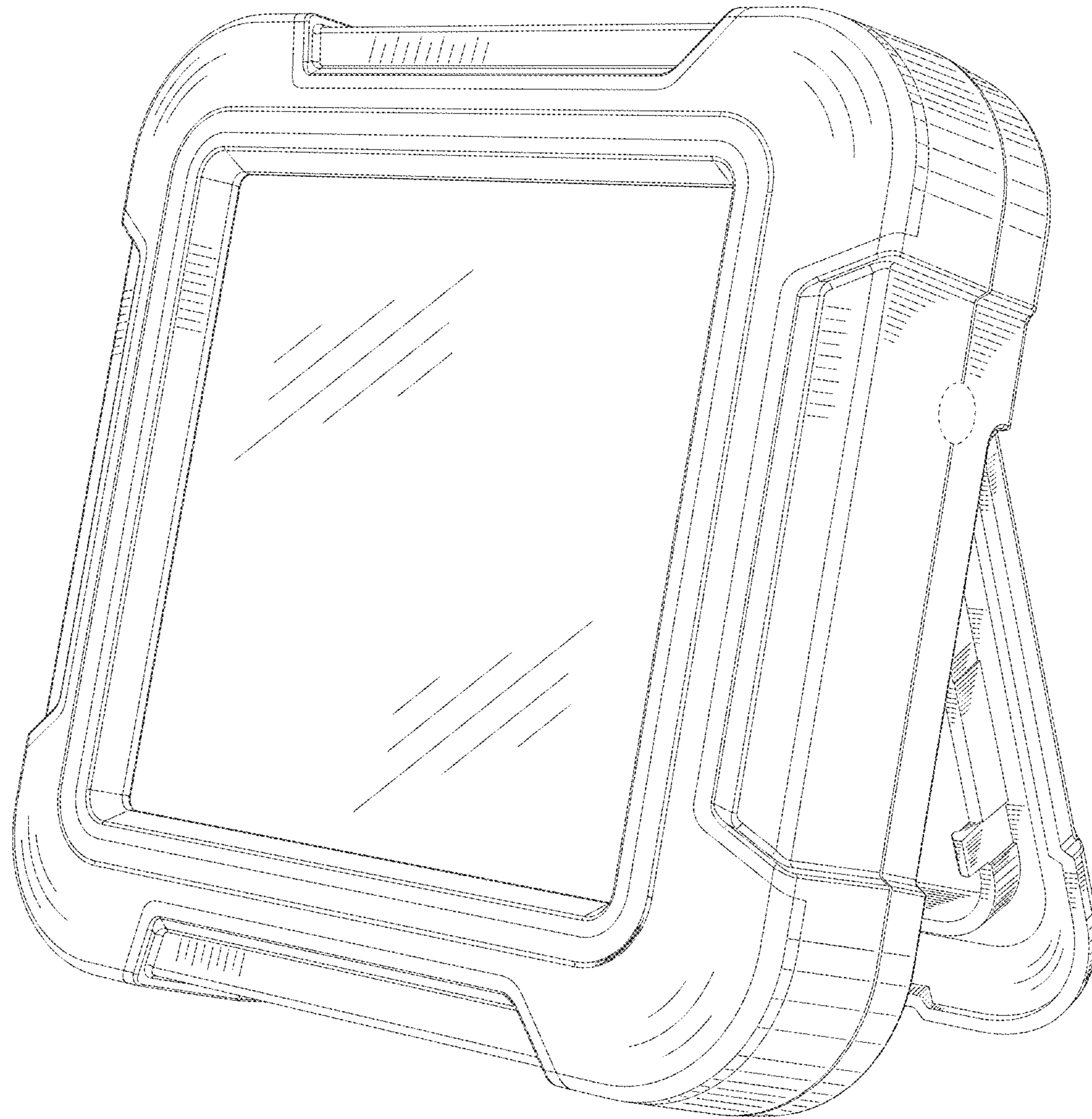
**FIG.6**



**FIG.7**



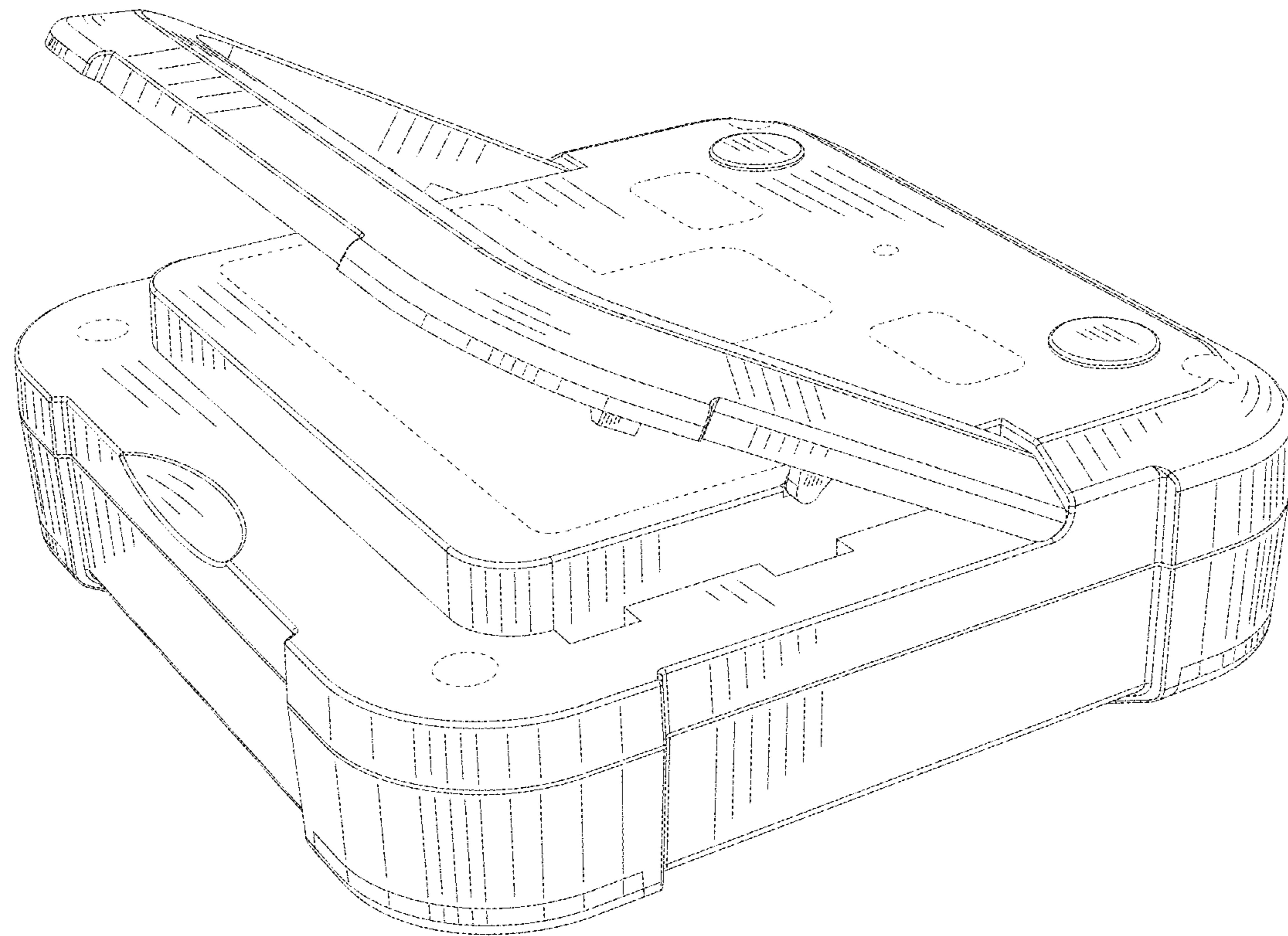
**FIG.8**



**FIG.9**



**FIG.10**



**FIG.11**