



US00D542677S

(12) **United States Design Patent** (10) **Patent No.:** **US D542,677 S**
Barton et al. (45) **Date of Patent:** **** May 15, 2007**

(54) **THERMOSTAT HOUSING**

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

(21) Appl. No.: **29/247,444**

(22) Filed: **Jun. 19, 2006**

Related U.S. Application Data

(62) Division of application No. 29/224,346, filed on Feb. 28,
2005, now Pat. No. Des. 531,526.

(51) **LOC (8) Cl.** **10-04**

(52) **U.S. Cl.** **D10/50**

(58) **Field of Classification Search** D10/49-50;
236/46 R, 47, 49.3, 51, 84, 94; 400/485
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | |
|-------------|---------|------------------|
| 4,079,366 A | 3/1978 | Wong |
| 4,174,807 A | 11/1979 | Smith et al. |
| 4,206,872 A | 6/1980 | Levine |
| 4,264,034 A | 4/1981 | Hyltin et al. |
| 4,298,946 A | 11/1981 | Hartsell et al. |
| 4,308,991 A | 1/1982 | Peinetti et al. |
| 4,337,822 A | 7/1982 | Hyltin et al. |
| 4,382,544 A | 5/1983 | Stewart |
| 4,386,649 A | 6/1983 | Hines et al. |
| 4,388,692 A | 6/1983 | Jones et al. |
| 4,431,134 A | 2/1984 | Hendricks et al. |
| 4,442,972 A | 4/1984 | Sahay et al. |
| 4,446,913 A | 5/1984 | Krocker |
| 4,479,604 A | 10/1984 | Didner |
| 4,606,401 A | 8/1986 | Levine et al. |
| 4,621,336 A | 11/1986 | Brown |

(Continued)

OTHER PUBLICATIONS

Carrier, "Programmable Dual Fuel Thermostat," Installation, Start-Up & Operating Instructions, pp. 1-12, Oct. 1998.

Carrier, "Programmable Thermostats," Installation, Start-Up & Operating Instructions, pp. 1-16, Sep. 1998.

Carrier, "Standard Programmable Thermostat," Homeowner's Manual, pp. 1-8 pages, 1998.

Carrier, "Thermidistat Control," Installation, Start-Up, and Operating Instructions, pp. 1-12, Aug. 1999.

CorAccess, "Companion 6," User Guide, pp. 1-20, Jun. 17, 2002.

<http://www.thermostatsales.com>, Robertshaw, "9610 Digital Programmable Thermostat," 3 pages, printed Jun. 17, 2004.

<http://www.thermostatsales.com>, Robertshaw, "9700 Deluxe Programmable Thermostat" 3 pages, printed Jun. 17, 2004.

<http://www.thermostatsales.com>, Robertshaw, "9710 Deluxe Programmable Thermostat," 3 pages, printed Jun. 17, 2004.

(Continued)

Primary Examiner—Antoine D. Davis

(57) **CLAIM**

The ornamental design for a thermostat housing, as shown and described.

DESCRIPTION

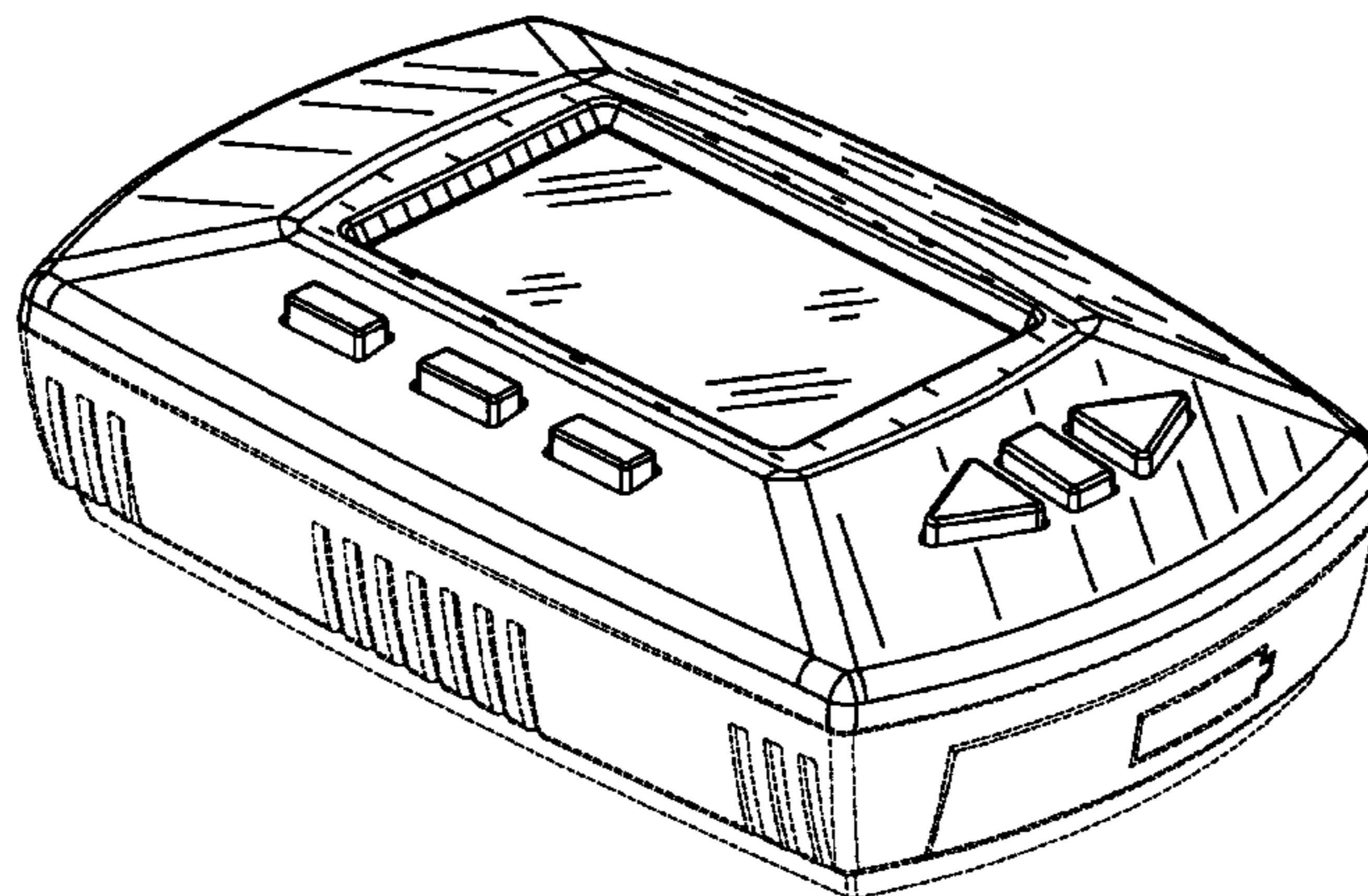
FIG. 1 is a perspective view of a thermostat housing; FIG. 2 is a front elevation view of the thermostat housing of FIG. 1;

FIGS. 3-6 are left, bottom, right and top views of the thermostat housing of FIG. 1; and,

FIG. 7 is a front elevation view of another thermostat housing.

The broken line showing of portions of the housing are included for the purpose of illustrating broken lines and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



U.S. PATENT DOCUMENTS

4,717,333 A 1/1988 Carignan
 4,725,001 A 2/1988 Carney et al.
 4,837,731 A 6/1989 Levine et al.
 4,881,686 A 11/1989 Mehta
 4,918,439 A 4/1990 Wozniak et al.
 4,948,040 A 8/1990 Kobayashi et al.
 4,992,779 A 2/1991 Sugino et al.
 4,997,029 A 3/1991 Otsuka et al.
 5,012,973 A 5/1991 Dick et al.
 5,038,851 A 8/1991 Mehta
 5,065,813 A 11/1991 Berkeley et al.
 5,088,645 A 2/1992 Bell
 5,161,606 A 11/1992 Berkeley et al.
 5,181,653 A 1/1993 Foster et al.
 5,230,482 A 7/1993 Ratz et al.
 5,259,445 A 11/1993 Pratt et al.
 5,329,991 A 7/1994 Mehta et al.
 5,348,078 A 9/1994 Dushane et al.
 D361,287 S 8/1995 Guy et al.
 5,482,209 A 1/1996 Cochran et al.
 D367,430 S 2/1996 Greenberg et al.
 5,526,422 A 6/1996 Keen
 5,537,106 A 7/1996 Mitsuhashi
 5,566,879 A 10/1996 Longtin
 5,570,837 A 11/1996 Brown et al.
 5,673,850 A 10/1997 Uptegraph
 5,782,296 A 7/1998 Mehta
 5,873,519 A 2/1999 Beilfuss
 5,901,183 A 5/1999 Garin et al.
 5,902,183 A 5/1999 D'Souza
 5,937,942 A 8/1999 Bias et al.
 6,032,867 A 3/2000 Dushane et al.
 6,196,467 B1 3/2001 Dushane et al.
 6,208,331 B1 3/2001 Singh et al.
 6,315,211 B1 11/2001 Sartain et al.
 6,318,639 B1 11/2001 Toth
 6,351,693 B1 2/2002 Monie et al.
 6,502,758 B2 1/2003 Cottrell
 6,513,723 B1 2/2003 Mueller et al.
 6,518,957 B1 2/2003 Lehtinen et al.
 6,581,846 B1 6/2003 Rosen
 6,595,430 B1 7/2003 Shah
 D506,687 S 6/2005 Takach et al.
 D507,757 S 7/2005 Roher et al.
 D509,151 S 9/2005 Takach et al.
 D520,386 S 5/2006 Takach et al.
 2002/0005435 A1 1/2002 Cottrell
 2003/0034897 A1 2/2003 Shamoon et al.
 2003/0034898 A1 2/2003 Shamoon et al.
 2003/0121652 A1 7/2003 Carey et al.
 2003/0142121 A1 7/2003 Rosen
 2004/0262410 A1 12/2004 Hull
 2005/0116023 A1 6/2005 Amundsen et al.
 2005/0119765 A1 6/2005 Bergman et al.
 2005/0119766 A1 6/2005 Amundson et al.
 2005/0119771 A1 6/2005 Amundson et al.
 2005/0119793 A1 6/2005 Admunson et al.
 2005/0119794 A1 6/2005 Amundson et al.

OTHER PUBLICATIONS

<http://www.thermostatsales.com>, Robertshaw, "9720 Deluxe Programmable Thermostat," 3 pages, printed Jun. 17, 2004.

Hunter, "44200/44250," Owner's Manual, 32 pages, printed prior Feb. 28, 2005.

Hunter, "44300/44350," Owner's Manual, 35 pages, printed prior to Feb. 28, 2005.

Hunter, "Auto Saver 550", Owner's Manual Model 44550, 44 pages, printed prior to Feb. 28, 2005.

Invensys™, "9700i 9701i 9715i 9720i Deluxe Programmable Thermostats," User's Manual, pp. 1–28, printed prior to Feb. 28, 2005.

Lux, "511 Series Smart Temp Electronic Thermostat," Owner's Manual, 3 pages, printed prior to Feb. 28, 2005.

Lux, "600 Series Smart Temp Electronic Thermostat," Owner's Manual, 3 pages, printed prior to Feb. 28, 2005.

Lux, "602 Series Multi-Stage Programmable Thermostat," Owner's Manual, 2 pages, printed prior to Feb. 28, 2005.

Lux, "605/2110 Series Programmable Heat Pump Thermostat," Owner's Manual, 3 pages, printed prior to Feb. 28, 2005.

Lux, "700/9000 Series Smart Temp Electronic Thermostat," Owner's Manual, 3 pages, printed prior to Feb. 28, 2005.

Lux, "PSPH521 Series Programmable Heat Pump Thermostat," Owner's Manual, 3 pages, printed prior to Feb. 28, 2005.

Lux, "TX1500 Series Smart Temp Electronic Thermostat," Owner's Manual, 6 pages, printed prior to Feb. 28, 2005.

Lux, "TX500 Series Smart Temp Electronic Thermostat," Owner's Manual, 3 pages, printed prior to Feb. 28, 2005.

Lux, "ELV1 Programmable Line Voltage Thermostat," Owner's Manual, 3 pages, printed prior to Feb. 28, 2005.

Metasys, "HVAC Pro for Windows User's Manual," 308 pages, 1998.

http://www.ritetemp.info/rtMenu_13.html, Rite Temp 8082, 8 pages, printed Jun. 20, 2003.

Totaline, "1 For All programmable Digital Thermostat," Owner's Manual P/N P374–1100FM, 23 pages, Nov. 1998.

Totaline, "1 For All Programmable Digital Thermostat," Owner's Manual P/N P374–1100, 24 pages, Apr. 2001.

Totaline, "1 For All Programmable Digital Thermostat," Owner's Manual P/N P474–1050, 21 pages, Nov. 1998.

Totaline, "Intellistat Combination Temperature and Humidity Control," Owner's Manual P/N P374–1600, 25 pages, Jun. 2001.

Totaline, "Programmable Thermostat Configurable for Advanced Heat Pump or Dual Fuel Operation," Owner's Manual P/N P374–1500, 24 pages, Jun. 1999.

Totaline, "Instructions P/N P474–1010", Manual, 2 pages, Dec. 1998.

Totaline, "Programmable Thermostat", Homeowner's Guide, 27 pages, Dec. 1998.

Totaline, "Wireless Programmable Digital Thermostat," Owner's Manual 474–1100RF, 21 pages, 2000.

Warmly Yours, "Model TH111GFCI-P (120 VAC)," Manual, pp. 1–4, printed prior to Feb. 28, 2005.

White-Rodgers, "Installation Instructions for Heating & Air Conditioning IF72 5/2 Day Programmable Heat Pump Thermostat," 8 pages, printed prior to Feb. 28, 2005.

White-Rodgers, "Installation Instructions for Heating & Air Conditioning IF78 5/2 Day Programmable Thermostat," 7 pages, printed prior to Feb. 28, 2005.

White-Rodgers, "Comfort-Set 90 Series Thermostat," Manual, pp. 1–24, printed prior to Feb. 28, 2005.

White-Rodgers, "Comfort-Set III Thermostat," Manual pp. 1–44, printed prior to Feb. 28, 2005.

White-Rodgers, 1F80–240 "(for Heating Only systems) Programmable Electronic Digital Thermostat," Installation and Operation Instructions, 8 pages, printed prior to Feb. 28, 2005.

White-Rodgers, 1F80-241 "Programmable Electronic Digital Thermostat," Installation and Operation Instructions, 6 pages, printed prior to Feb. 28, 2005.

White-Rodgers, 1F80-261 "Programmable Electronic Digital Thermostat," Installation and Operation Instructions, 8 pages, printed prior to Feb. 28, 2005.

White-Rodgers, 1F81-261 "Programmable Electronic Digital Multi-Stage Thermostat," Installation and Operation Instructions, 8 pages, printed prior to Feb. 28, 2005.

White-Rodgers, 1F82-261 "Programmable Electronic Digital Heat Pump Thermostat," Installation and Operation Instructions, 8 pages, printed prior to Feb. 28, 2005.

www.icmcontrols.com, Simplecomfort, SC3000 Single Stage Heat/Single Stage Cool or Single Stage Heat Pump/Manual Changeover, 1 page, printed prior to Feb. 28, 2005.

www.icmcontrols.com, Simplecomfort, SC3001 Single Stage Heat/Single Stage Cool or Single Stage Heat Pump/Manual Changeover, 1 page, printed prior to Feb. 28, 2005.

www.icmcontrols.com, Simplecomfort, SC3006 Single Stage Heat/Single Stage Cool or Single Stage Heat Pump/Manual Changeover, 1 page, printed prior to Feb. 28, 2005.

www.icmcontrols.com, Simplecomfort, SC3201 2 Stage Heat Pump Manual Changeover, 1 page, printed prior to Feb. 28, 2005.

www.icmcontrols.com, Simplecomfort, SC3801 2 Stage Heat/2 Stage Cool 2 Stage Heat Pump/Audio Changeover, 1 page, printed prior to Feb. 28, 2005.

<http://www.aed.net/climatouch>, Climatouch C3, 1 page, printed prior to Feb. 28, 2005.

U.S. Appl. No. 29/224,347, filed Feb. 28, 2005, entitled "Thermostat Housing".

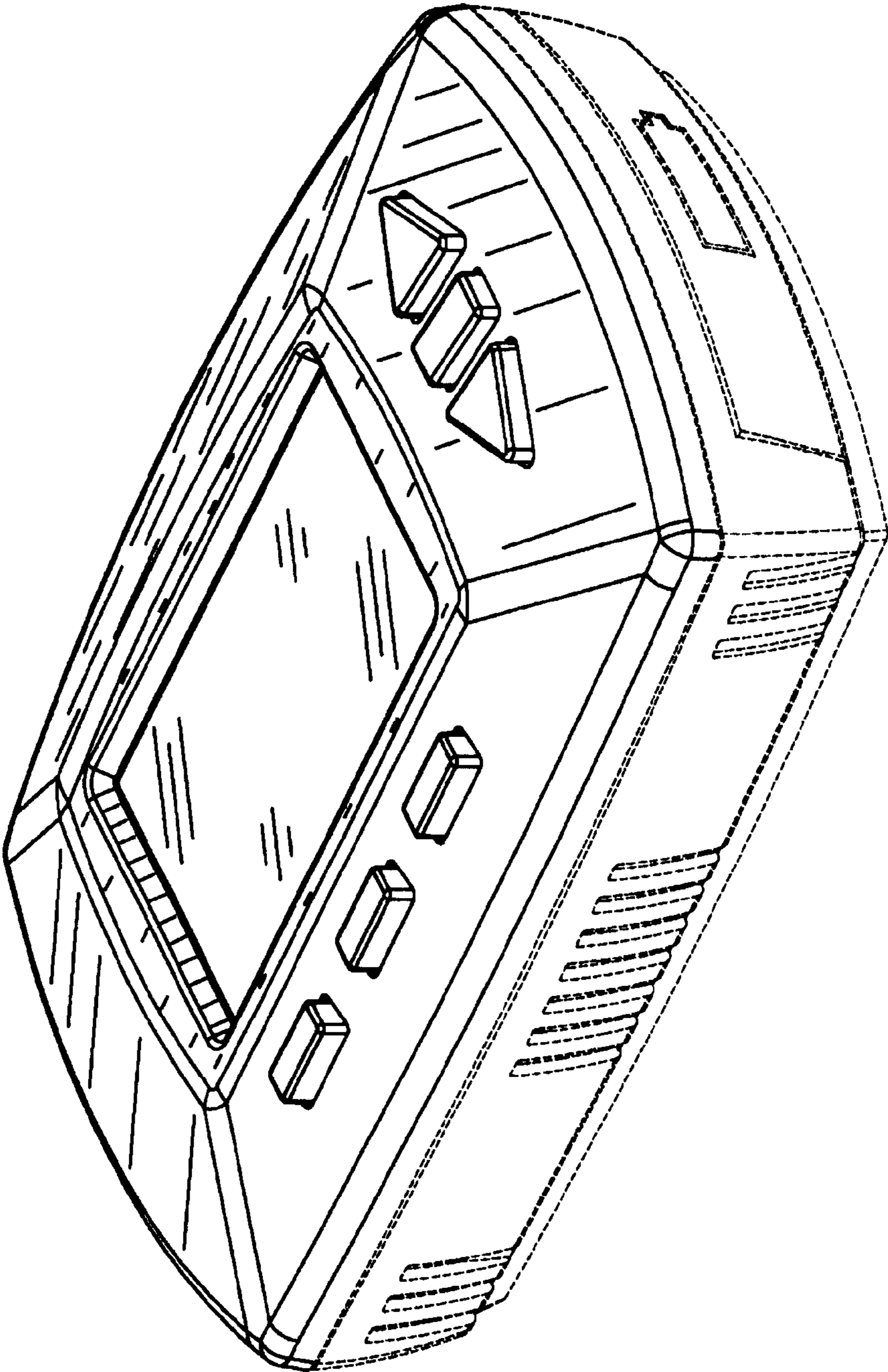


Figure 1

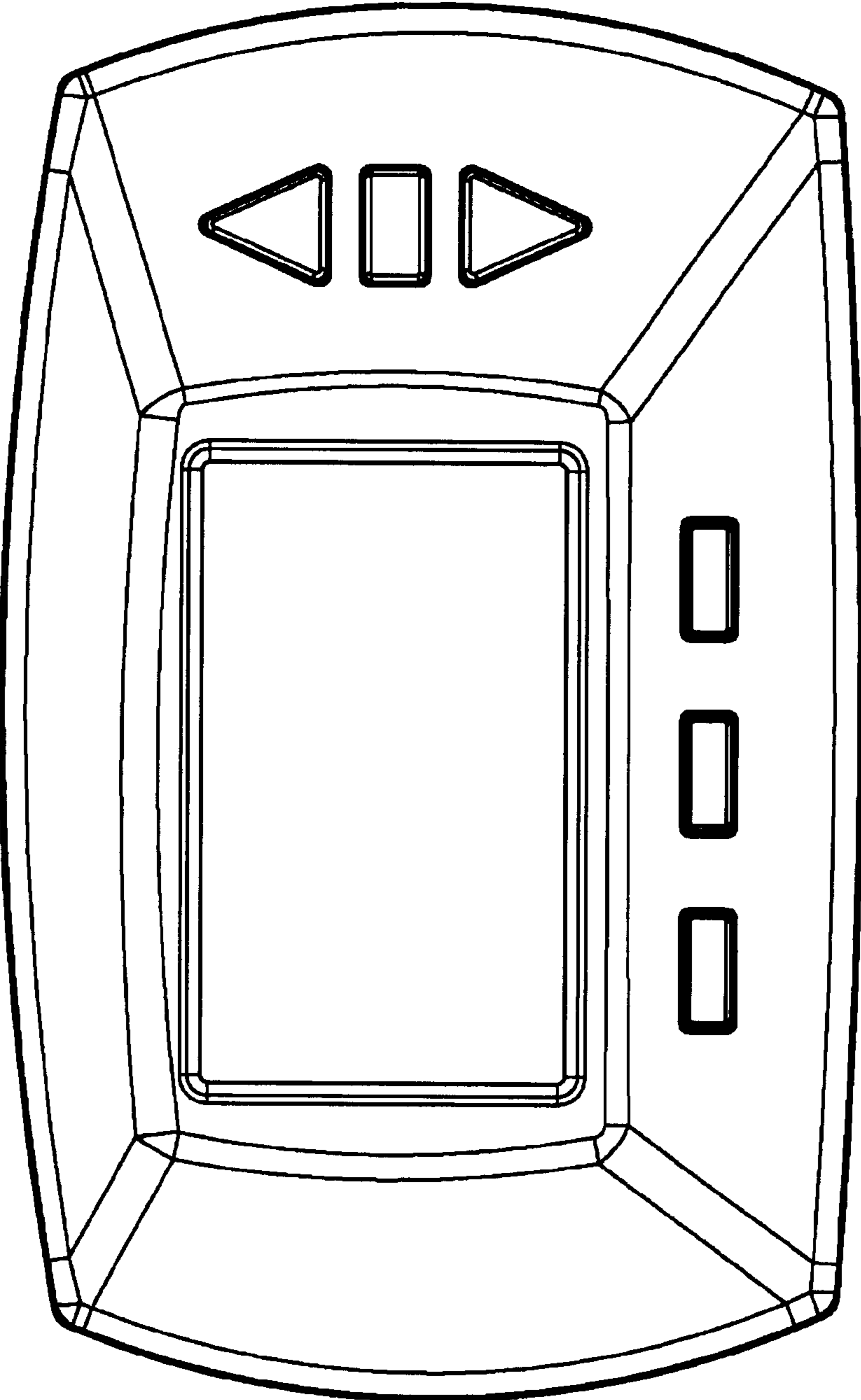


Figure 2

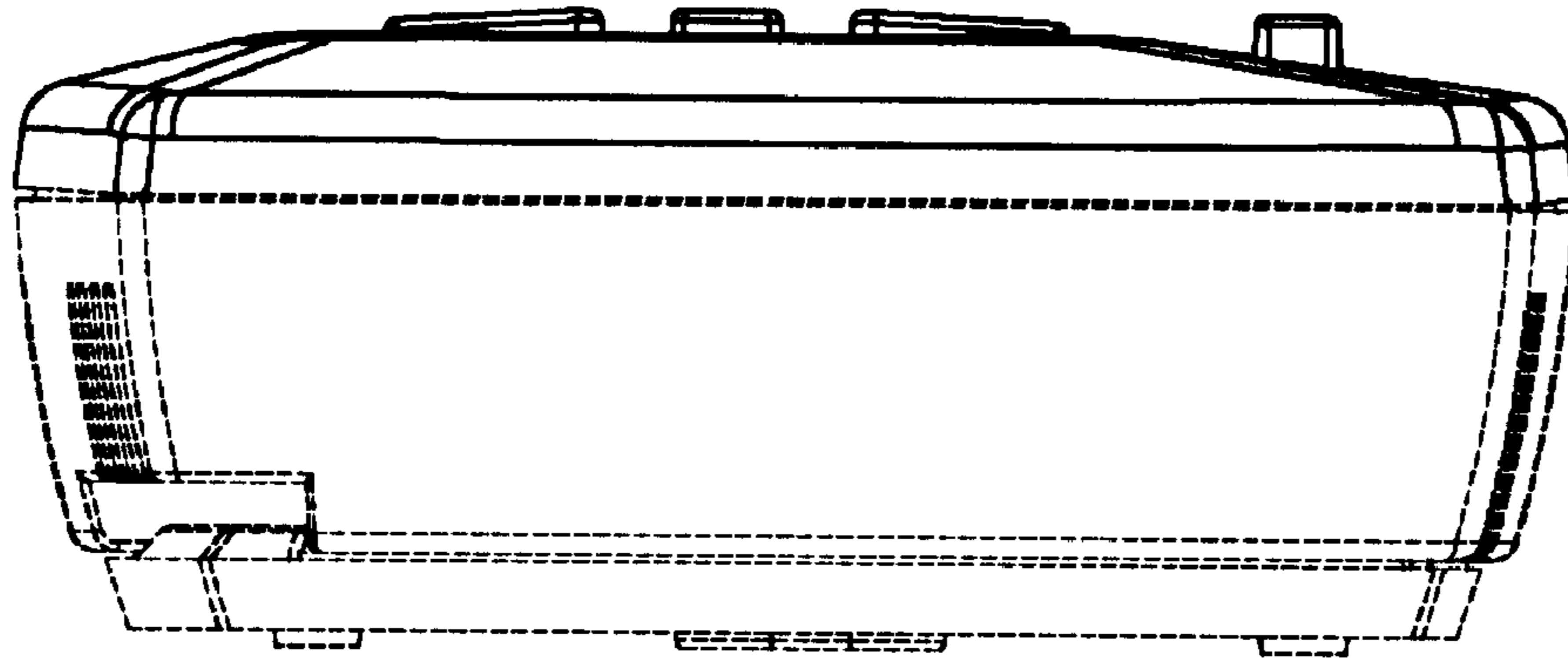


Figure 3

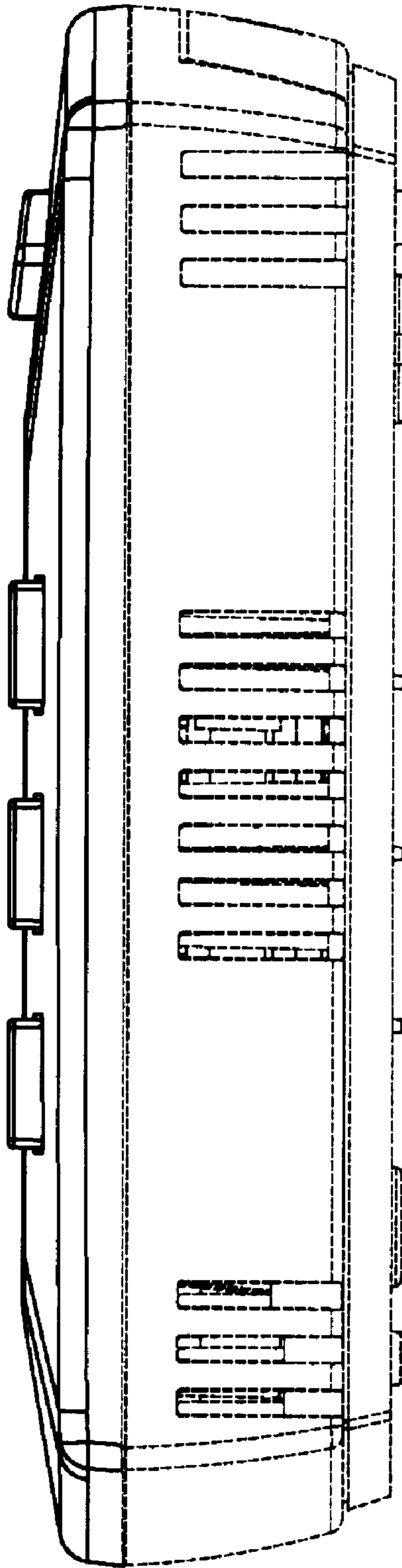


Figure 4

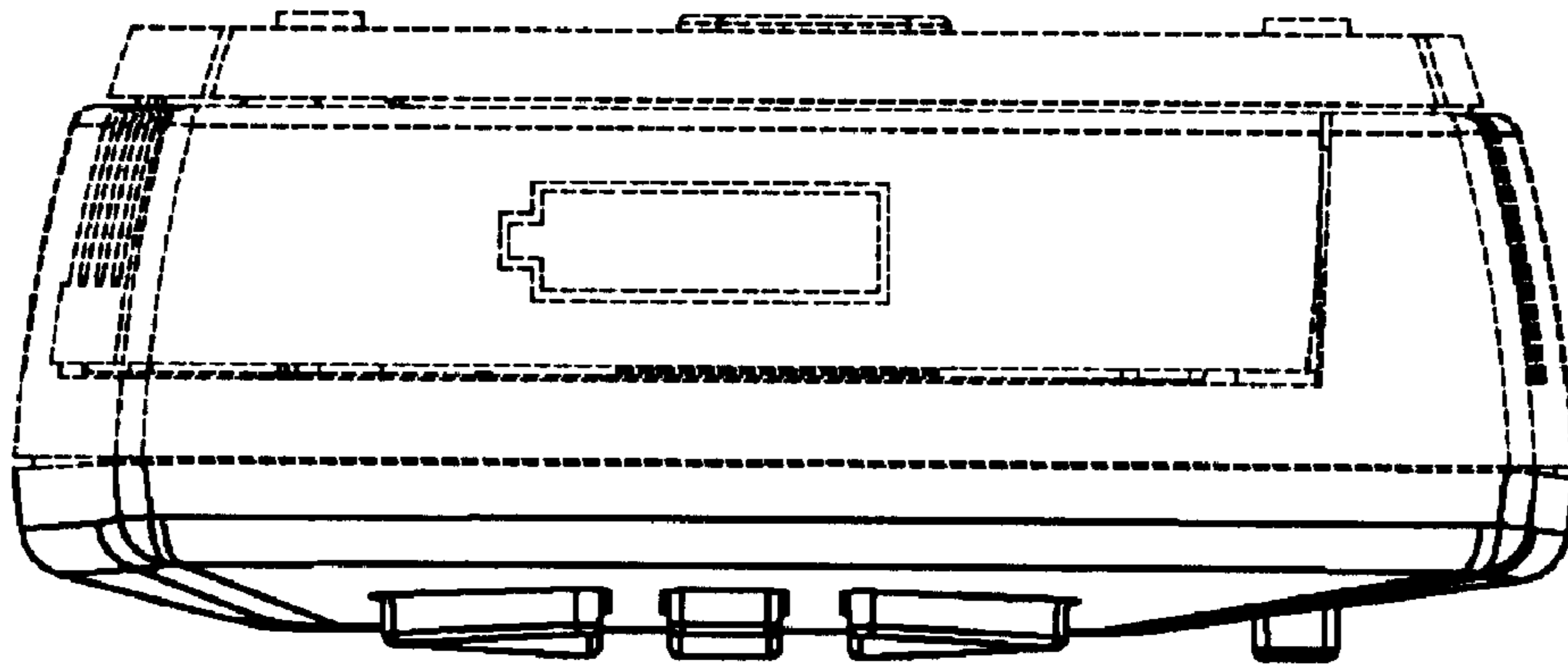


Figure 5

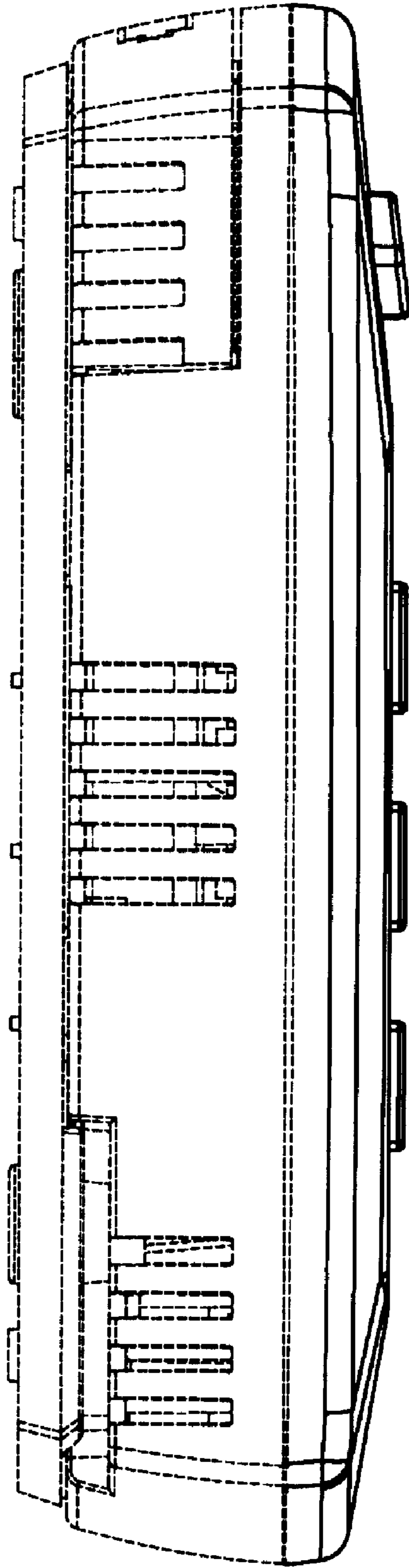


Figure 6

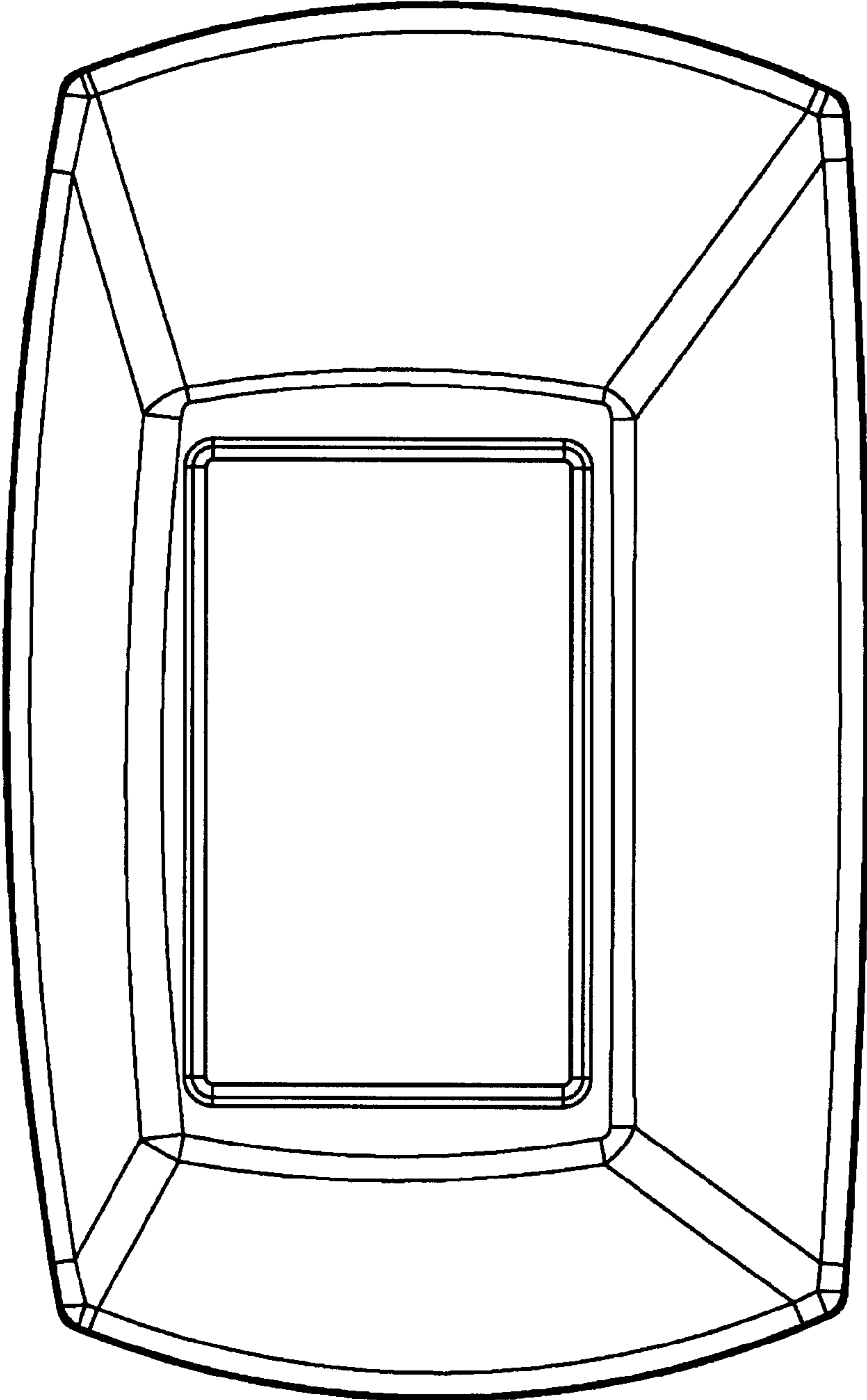


Figure 7