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Beland et al.

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(54) **THERMOSTAT HOUSING**
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4,332,352 A 6/1982 Jaeger
4,337,822 A 7/1982 Hyltin et al.
4,337,893 A 7/1982 Flanders et al.
4,373,664 A 2/1983 Barker et al.
4,379,483 A 4/1983 Farley
4,382,544 A 5/1983 Stewart
4,386,649 A 6/1983 Hines et al.

(Continued)

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FOREIGN PATENT DOCUMENTS

DE 3334117 4/1985
EP 0070414 1/1983

(Continued)

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OTHER PUBLICATIONS

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“CorAccess Systems/In Home,” <http://web.archive.org/web/20011212084427/www.coraccess.com/home.html>, 1 page,
copyright 2001, printed Aug. 19, 2004.

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236/46 R, 47, 94, 44 C, 44 R, 49.3, 44 A,
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(57) **CLAIM**

The ornamental design of the thermostat housing, as shown
and described.

DESCRIPTION

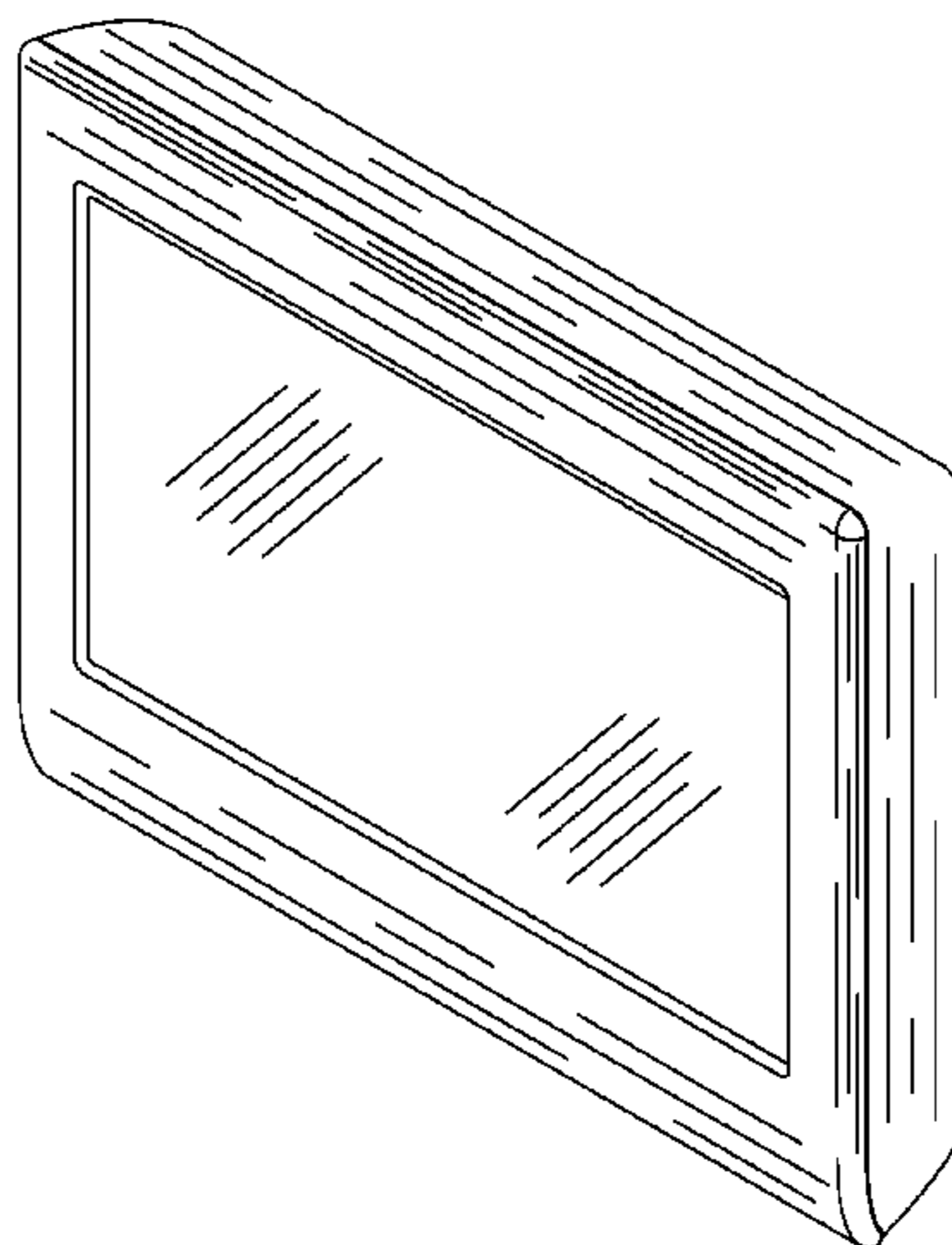
FIG. 1 is a perspective view of a thermostat housing;
FIG. 2 is a front elevation view of the thermostat housing of
FIG. 1;
FIG. 3 is a left elevation view of the thermostat housing of
FIG. 1;
FIG. 4 is a right elevation view of the thermostat housing of
FIG. 1;
FIG. 5 is a top view of the thermostat housing of FIG. 1; and,
FIG. 6 is a bottom view of the thermostat housing of FIG. 1.
The features shown in broken lines depict environmental
subject matter only and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,654,681 A 1/1928 Drees et al.
4,079,366 A 3/1978 Wong et al.
4,174,807 A 11/1979 Smith et al.
4,206,872 A 6/1980 Levine
4,224,612 A 9/1980 Macey
4,264,034 A 4/1981 Hyltin et al.
4,296,334 A 10/1981 Wong
4,298,946 A 11/1981 Hartsell et al.
4,308,991 A 1/1982 Peinetti et al.

1 Claim, 6 Drawing Sheets



US D678,084 S

U.S. PATENT DOCUMENTS					
4,388,692 A	6/1983	Jones et al.	6,196,467 B1	3/2001	Dushane et al.
4,431,134 A	2/1984	Hendricks et al.	6,208,331 B1	3/2001	Singh et al.
4,442,972 A	4/1984	Sahay et al.	6,216,956 B1	4/2001	Ehlers et al.
4,446,913 A	5/1984	Krocker	6,236,326 B1	5/2001	Murphy
4,479,604 A	10/1984	Didner	6,285,912 B1	9/2001	Ellison et al.
4,503,471 A	3/1985	Hanajima et al.	6,290,140 B1	9/2001	Pesko et al.
4,506,827 A	3/1985	Jamieson et al.	6,315,211 B1	11/2001	Sartain et al.
4,556,169 A	12/1985	Zervos	6,318,639 B1	11/2001	Toth
4,606,401 A	8/1986	Levine et al.	6,330,806 B1	12/2001	Beaverson et al.
4,621,336 A	11/1986	Brown	6,344,861 B1	2/2002	Naughton et al.
4,622,544 A	11/1986	Bially et al.	6,351,693 B1	2/2002	Monie et al.
4,628,201 A	12/1986	Schmitt	6,398,118 B1	6/2002	Rosen et al.
4,646,964 A	3/1987	Parker et al.	6,453,687 B2	9/2002	Sharood et al.
4,717,333 A	1/1988	Carignan	6,466,132 B1	10/2002	Caronna et al.
4,725,001 A	2/1988	Carney et al.	6,478,233 B1	11/2002	Shah
4,837,731 A	6/1989	Levine et al.	6,502,758 B2	1/2003	Cottrell
4,881,686 A	11/1989	Mehta	6,513,723 B1	2/2003	Mueller et al.
4,918,439 A	4/1990	Wozniak et al.	6,518,953 B1	2/2003	Armstrong
4,948,040 A	8/1990	Kobayashi et al.	6,518,957 B1	2/2003	Lehtinen et al.
4,992,779 A	2/1991	Sugino et al.	6,546,419 B1	4/2003	Humpleman et al.
4,997,029 A	3/1991	Otsuka et al.	6,556,899 B1	4/2003	Pachet et al.
5,005,365 A	4/1991	Lynch	6,578,770 B1	6/2003	Rosen
5,012,973 A	5/1991	Dick et al.	6,580,950 B1	6/2003	Johnson et al.
5,038,851 A	8/1991	Mehta	6,581,846 B1	6/2003	Rosen
5,053,752 A	10/1991	Epstein et al.	6,595,430 B1	7/2003	Shah
5,065,813 A	11/1991	Berkeley et al.	6,608,560 B2	8/2003	Abrams
5,086,385 A	2/1992	Launey et al.	6,619,555 B2	9/2003	Rosen
5,088,645 A	2/1992	Bell	6,621,507 B1	9/2003	Shah
5,140,310 A	8/1992	DeLuca et al.	6,726,112 B1	4/2004	Ho
5,161,606 A	11/1992	Berkeley et al.	6,786,421 B2	9/2004	Rosen
5,170,935 A	12/1992	Federspiel et al.	6,789,739 B2	9/2004	Rosen
5,172,565 A	12/1992	Wruck et al.	6,868,293 B1	3/2005	Schurr et al.
5,181,653 A	1/1993	Foster et al.	D506,687 S	6/2005	Takach et al.
5,187,797 A	2/1993	Nielsen et al.	D507,757 S	7/2005	Roher et al.
5,230,482 A	7/1993	Ratz et al.	D509,151 S	9/2005	Takach et al.
5,238,184 A	8/1993	Adams	7,000,480 B2	2/2006	Kramer
5,251,813 A	10/1993	Kniepkamp	D518,744 S	4/2006	Rosen
5,259,445 A	11/1993	Pratt et al.	D520,386 S	5/2006	Takach et al.
5,292,280 A	3/1994	Janu et al.	D520,885 S	5/2006	Takach et al.
5,329,991 A	7/1994	Mehta et al.	7,050,026 B1	5/2006	Rosen
5,348,078 A	9/1994	Dushane et al.	D525,154 S	7/2006	Moore
5,386,577 A	1/1995	Zenda	D525,541 S	7/2006	Barton et al.
5,404,934 A	4/1995	Carlson et al.	D527,658 S	9/2006	Moore
5,414,618 A	5/1995	Mock et al.	D531,526 S	11/2006	Barton et al.
D361,287 S	8/1995	Guy et al.	7,152,806 B1	12/2006	Rosen
5,482,209 A	1/1996	Cochran et al.	D535,572 S	1/2007	Takach et al.
D367,430 S	2/1996	Greenberg et al.	D535,573 S	1/2007	Barton et al.
5,526,422 A	6/1996	Keen	7,156,318 B1	1/2007	Rosen
5,537,106 A	7/1996	Mitsuhashi	D541,184 S	4/2007	Barton et al.
5,566,879 A	10/1996	Longtin	D542,677 S	5/2007	Barton et al.
5,570,837 A	11/1996	Brown et al.	D551,577 S	9/2007	Barton et al.
5,673,850 A	10/1997	Uptegraph	D556,061 S *	11/2007	Rosen D10/50
5,682,206 A	10/1997	Wehmeyer et al.	D556,608 S	12/2007	Rhodes et al.
5,732,691 A	3/1998	Maiello et al.	D558,072 S	12/2007	Simon et al.
5,782,296 A	7/1998	Mehta	D558,073 S	12/2007	Simon et al.
5,818,428 A	10/1998	Eisenbrandt et al.	D561,614 S	2/2008	Rosen et al.
5,873,519 A	2/1999	Beilfuss	RE40,190 E *	4/2008	Takach et al. D10/50
5,886,697 A	3/1999	Naughton et al.	D566,597 S	4/2008	Schneor
5,901,183 A	5/1999	Garin et al.	D580,801 S	11/2008	Takach et al.
5,902,183 A	5/1999	D'Souza	D589,822 S	4/2009	Rhodes
5,915,473 A	6/1999	Ganesh et al.	D592,982 S	5/2009	Burt et al.
5,937,942 A	8/1999	Bias et al.	D595,160 S	6/2009	Fisher et al.
5,947,372 A	9/1999	Tiernan	D596,963 S	7/2009	Novotny et al.
5,950,709 A	9/1999	Krueger et al.	D596,964 S	7/2009	Wang et al.
6,009,355 A	12/1999	Obradovich et al.	D610,475 S	2/2010	Beers et al.
D418,762 S	1/2000	Dushane et al.	D642,894 S	8/2011	Soper et al.
6,020,881 A	2/2000	Naughton et al.	D643,318 S	8/2011	Morrow
6,032,867 A	3/2000	Dushane et al.	D648,642 S	11/2011	Wallaert et al.
6,059,195 A	5/2000	Adams et al.	D672,666 S *	12/2012	Rhodes et al. D10/50
6,081,197 A	6/2000	Garrick et al.	2001/0029585 A1	10/2001	Simon et al.
6,101,824 A	8/2000	Meyer et al.	2001/0042684 A1	11/2001	Essalik et al.
6,104,963 A	8/2000	Cebasek et al.	2001/0052459 A1	12/2001	Essalik et al.
6,119,125 A	9/2000	Gloudeman et al.	2002/0005435 A1	1/2002	Cottrell
6,121,875 A	9/2000	Hamm et al.	2002/0011923 A1	1/2002	Cunningham et al.
6,140,987 A	10/2000	Stein et al.	2002/0022991 A1	2/2002	Sharood et al.
6,141,595 A	10/2000	Gloudeman et al.	2002/0060701 A1	5/2002	Naughton et al.
6,149,065 A	11/2000	White et al.	2002/0092779 A1	7/2002	Essalik et al.
6,167,316 A	12/2000	Gloudeman et al.	2002/0096572 A1	7/2002	Chene et al.
			2002/0138184 A1	9/2002	Kipersztok et al.

2002/0173929	A1	11/2002	Seigel
2003/0000692	A1	1/2003	Okano et al.
2003/0014179	A1	1/2003	Szukala et al.
2003/0033156	A1	2/2003	McCall
2003/0033230	A1	2/2003	McCall
2003/0034897	A1	2/2003	Shamoon et al.
2003/0034898	A1	2/2003	Shamoon et al.
2003/0074489	A1	4/2003	Steger et al.
2003/0121652	A1	7/2003	Carey et al.
2003/0123224	A1	7/2003	LaCroix et al.
2003/0136135	A1	7/2003	Kim et al.
2003/0142121	A1	7/2003	Rosen
2003/0150926	A1	8/2003	Rosen
2003/0150927	A1	8/2003	Rosen
2003/0177012	A1	9/2003	Drennan
2004/0074978	A1	4/2004	Rosen
2004/0193324	A1	9/2004	Hoog et al.
2004/0245352	A1	12/2004	Smith
2004/0262410	A1	12/2004	Hull
2005/0116023	A1	6/2005	Amundson 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	Amundson et al.
2005/0119794	A1	6/2005	Amundson et al.
2006/0102732	A1	5/2006	Garrett et al.
2006/0234621	A1	10/2006	Desrochers et al.

FOREIGN PATENT DOCUMENTS

EP	0678204	10/1995
EP	0985994	3/2000
EP	1033641	9/2000
EP	1074009	2/2001
FR	2711230	10/2011
WO	WO 9711448	3/1997
WO	WO 9739392	10/1997
WO	WO 0152515	7/2001
WO	WO 0179952	10/2001
WO	WO 0043870	12/2003

OTHER PUBLICATIONS

“High-tech options take hold in new homes—200-08-28—Dallas Business Journal,” <http://bizjournals.com/dallas/stories/2000/08/28/focus4>, 3 pages, dated Aug. 28, 2000, printed Aug. 19, 2004.

“Product Review—Philips Pronto Remote Control,” http://hometheaterhifi.com/volume_6_2/philipsprontoremotecontrol.html, 5 pages, dated May 1999, printed Aug. 20, 2004.

“RC X10 Automation Forum: Control your Heating and Cooling System with Pronto(1/1),” <http://www.remotecentral.com/cgi-bin/mboard/rc-x10/thread.cgi?12>, 2 pages, dated Apr. 23, 1999, printed Aug. 20, 2004.

“Vantage Expands Controls for Audio/Video, HVAC and Security,” <http://www.hometoys.com/htinews/aug99/releases/vantage03.htm>, 2 pages, dated Aug. 3, 1999, printed Aug. 20, 2004.

Honeywell, “Operating Manual, FocusPRO TH6110DTH/Th6220D,” pp. 1-24, prior to Jan. 24, 2008.

Honeywell, “W7006A Home Controller Gateway User Guide,” 31 pages, Jul. 2001.

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

http://www.cc.gatech.edu/computing/classes/cs6751_94_fall/groupc/climate-2/node1.html, “Contents,” 53 pages, printed Sep. 20, 2004.

Sealed Unit Parts Co., Inc., Supco & CTC Thermostats . . . loaded with features, designed for value!, 6 pages, prior to Apr. 21, 2005.

Totaline Model P474-1035 Owner’s Manual Programmable 5-2 Day Digital Thermostat, pp. 1-21, Apr. 2003.

Totaline Star CPE230RF, Commercial Programmable Thermostat Wireless Transmitter, Owner’s Manual, pp. 1-16, Oct. 1998.

Totaline Star P/N P474-0130 Non-Programmable Digital Thermostat Owner’s Manual, pp. 1-22, prior to Apr. 21, 2005.

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, “1 For All Programmable Digital Thermostat,” pp. 1-21, Nov. 1998.

Totaline, “Instructions P/N P474-1010,” 2 pp, prior to Jan. 24, 2008.

Totaline, “Programmable Thermostat”, Homeowner’s Guide, 27 pages, Dec. 1998.

Trouble Shooting Guide for Ritetemp Thermostat 8082, 1 page, 2002.

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

Visor Handheld User Guide, Copyright 1999-2000.

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

White-Rodgers 1F80-224 Programmable Electronic Digital Thermostat, Installation and Operation Instructions, 8 pages, prior to Apr. 21, 2005.

White-Rodgers Installation Instructions for Heating & Air Conditioning IF78 Non-Programmable Thermostat, 6 pages, prior to Apr. 21, 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.

White-Rodgers, Comfort-Set 90 Series Premium, 4 pages, prior to Apr. 21, 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.

U.S. Appl. No. 13/434,790, filed Mar. 29, 2012.

“Spotlight on integrated systems,” Custom Builder, V8, N2, p. 66(6), Mar.-Apr., 1993.

ADI, “Leopard User Manual,” 93 pages, 2001.

Adicon 2500, “The Automator,” 4 pages, Oct.- Dec. 2000.

ADT Security Services, “iCenter Advanced User Interface 8142ADT,” Installation and Setup Guide, 5 pages, May 2001; First Sale Feb. 2001.

AirAdvice, “How BuildingAdvice Works,” BuildingAdvice Elite, 2 pages, Printed May 16, 2012. <http://www.airadvice.com/products/buildingadvice/elite/how>.

- Aircuity, "Aircuity OptiNet Multipoint Sampling System," 1 page, Printed May 16, 2012. <http://www.aircuity.com/technology/optinet-overview/>.
- Aircuity, "OptiNet Applications Improve Indoor Environmental Quality," 1 page, Printed May 16, 2012. <http://www.aircuity.com/technology/optinnet-applications/>.
- Aircuity, "OptiNet Collects Indoor Environmental Data for Real-Time Monitoring," 1 page, Printed May 16, 2012. <http://www.aircuity.com/technology/optinet-operation/>.
- Aircuity, "OptiNet Components Evaluate Indoor Environmental Quality," 2 pages, Printed May 15, 2012. <http://www.aircuity.com/technology/optinet-components/>.
- Aprilaire Electronic Thermostats Models 8344, 8346, 8348, 8363, 8365, 8366 Operating Instructions, 8 pages, 2003.
- Aube Technologies, Electronic Thermostat for Heating System Model TH135-01, 5 pages, Aug. 14, 2001.
- Aube Technologies, TH140-28 Electronic Programmable Thermostat, Installation Instructions and User Guide, pp. 1-4, Jan. 22, 2004.
- AutomatedBuildings.com Article—"Thin Client" Solutions, "Pressure, Air Flow, Temperature, Humidity & Valves," Dwyer Instruments, Inc., 5 pages, printed Sep. 20, 2004.
- Blake et al., "Seng 310 Final Project Demo Program" Illustration, 3 pages, Apr. 6, 2001.
- Blake et al., "Seng 310 Final Project" Report, dated Apr. 6, 2001.
- Braeburn Model 3000 Owner's Manual, pp. 1-13, 2001.
- Braeburn Model 5000 Owners Manual, pp. 1-17, 2001.
- BRK Electronics Maximum Protection Plus Ultimate Convenience Smoke Alarm, 24 pages, Sep. 2000.
- BRK First Alert, User's Manual, Smoke and Fire Alarms, pp. 1-7, Nov. 2002.
- Business Wire, "MicroTouch Specialty Products Group to Capitalize on Growing Market for Low-Cost Digital Matrix Touchscreens," p1174 (2 pages), Jan. 6, 1999.
- Cardio Manual, available at <http://www.secant.ca/En/Documentation/Cardio26-Manual.pdf>, Cardio Home Automation Inc., 55 pages, printed Sep. 28, 2004.
- Cardio, by Secant; <http://www.hometoys.com/htinews/apr98/reviews/cardio.htm>, "HTINews Review," Feb. 1998, 5 pages, printed Sep. 14, 2004.
- Carrier Microelectronic Programmable Thermostat Owner's Manual, pp. 1-24, May 1994.
- Carrier TSTATCCRF01 Programmable Digital Thermostat, pp. 1-21, prior to Apr. 21, 2005.
- 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, "Thermostat Control," Installation, Start-Up, and Operating Instructions, pp. 1-12, Aug. 1999.
- Climatouch, "Presenting Climatouch the Most Innovative Thermostat in the World," 2 pages, prior to Jan. 24, 2008.
- Climatouch, "User Manual Climatouch CT03TSB Thermostat, Climatouch CT03TSHB," 19 pp, prior to Jan. 24, 2008.
- CorAccess, "Companion 6," User Guide, pp. 1-20, Jun. 17, 2002.
- CorAccess, "Companion 6 User Guide," pp. 1-20, prior to Jan. 24, 2008.
- Danfoss RT51/51RF & RT52/52RF User Instructions, 2 pages, Jun. 2004.
- DeKoven et al., "Designing Collaboration in Consumer Products," 2 pages, 2001.
- DeKoven et al., "Measuring Task Models in Designing Intelligent Products," 2 pages, Jan. 13-16 2002.
- Domotique Secant Home Automation—Web Page, available at <http://www.secant.ca/En/Company/Default.asp> 1 page, printed Sep. 28, 2004.
- LUX. "9000RF Remoste Series," 9000RF Remoste Instructions, 2 pages, prior to Jan. 24, 2008.
- Pheonix Controls, "Programmable Control Module: LonMark", Revision Aug. 2011, 10 pages, 2009. MKT-0244 MPC-1647.
- Pheonix Controls, "Theris Family of Valves: LonMark Certified", Theris®, Revision May 2011, 18 pages, 2009. MKT-0118 MPC-1572.
- Pheonix Controls, "Traccel Family of Valves: BACnet® MS/TP", Traccel®, Revision Sep. 2011, 29 pages, 2009. MKT-0242 MPC-1661.
- RiteTemp, "Operation 8082," pp. 1-14, prior to Jan. 24, 2008.
- Totaline, "Submittal for Totaline P474-1100RF, P474-1100REC," 1 page, prior to Jan. 24, 2008.
- Totaline, "Thermostat Remote Control & Recive Owner's Manual P/N P374-0431," pp. 2-11, prior to Jan. 24, 2008.
- Totaline, "Wireless Programmable Digital Thermostat," Owner's Manual 474-1100RF, 21 pages, 2000.
- Totaline, "Wireless Remost Sensor, Model P474-1401-1RF/REC," 2 pages, prior to Jan. 24, 2008.
- "HAI Company Background," http://www.homeauto.com/AboutHAI/abouthai_main.htm, 2 pages, printed Aug. 19, 2004.
- "Home Toys Review—TouchLine", <http://www.hometoys.com/htinews/aug99/reviews/touchline/touchline.htm>, 3 pages, dated Aug. 1999, printed Aug. 20, 2004.
- "HTI News Release," <http://www.hometoys.com/htinews/apr99/releases/ha101.htm>, 3 pages, Apr. 1999.
- "Mark of Excellence Award Finalist Announced," <http://64.233.167.104/search?Q=cache:ciOA2YtYaBIJ:www.hometoys.com/releases/mar...>, 6 pages, Leopard Touchscreen on p. 2, dated prior to Mar. 4, 2000, printed Aug. 20, 2004.
- Blister Pack Insert from a Ritetemp 8082 Touch Screen Thermostat Product, 2 pages, 2002.
- Firex Smoke Alarm, Ionization Models AD, ADC Photoelectric Model Pad, 4 pages., prior to Apr. 21, 2005.
- Freudenthal et al., "Communicating extensive smart home functionality to users of all ages: the design of a mixed-initiative multimodal thermostat-interface," pp. 34-39, Mar. 12-13, 2001.
- Gentex Corporation, HD135, 135° Fixed Temperature Heat Detector AC Pwered, 120V, 60Hz With Battery Backup, Installation Instructions—Owner's Information, pp. 1-5, Jun. 1, 1998.
- Gentex Corporation, 9000 Series, Photoelectric Type Single Station/Multi-Station Smoke Alarms AC Powered With Battery Backup, Installation Instructions—Owner's Information, pp. 9-1 to 9-6, Jan. 1, 1993.
- Honeywell Brivis Deluxe Programmable Thermostat, pp. 1-20, 2002.
- Honeywell Brivis T8602C Chronotherm IV Deluxe Programmable Thermostats, Installation Instructions, pp. 1-12, 2002.
- Honeywell CT8602C Professional Fuel Saver Thermostat, pp. 1-6, 1995.
- Honeywell Electronic Programmable Thermostat, Owner's Guide, pp. 1-20, 2003.
- Honeywell Electronic Programmable Thermostats, Installation Instructions, pp. 1-8, 2003.
- Honeywell News Release, "Honeywell's New Sysnet Facilities Integration System for Boiler Plant and Combustion Safety Processes," 4 pages, Dec. 15, 1995.
- Honeywell T8002 Programmable Thermostat, Installation Instructions, pp. 1-8, 2002.
- Honeywell T8602A,B,C,D and TS8602A,C Chronotherm III Fuel Saver Thermostats, Installation Instructions, pp. 1-12, 1995.
- Honeywell T8602D Chronotherm IV Deluxe Programmable Thermostats, Installation Instructions, pp. 1-12, 2002.
- Honeywell TH8000 Series Programmable Thermostats, Owner's Guide, pp. 1-44, 2004.
- Honeywell, "Introduction of the 57350A Honeywell WebPAD Information Appliance," Home and Building Control Bulletin, 2 pages, Aug. 29, 2000; Picture of WebPad Device with touch screen, 1 Page; and screen shots of WebPad Device, 4 pages.
- Honeywell, MagicStat® CT3200 Programmable Thermostat, Installation and Programming Instructions, pp. 1-24, 2001.
- http://www.ritetemp.info/rtMenu_13.html, Rite Temp 8082, 8 pages, printed Jun. 20, 2003.
- <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.
- <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.
- Install Guide for Ritetemp Thermostat 8082, 6 pages, 2002.
- Invensys, "User's Manual 9700i 9701i 9715i 9720i Deluxe Programmable Thermostats," 21 pp, prior to Jan. 24, 2008.
- Invensys™, "9700i 9701i 9715i 9720i Deluxe Programmable Thermostats," User's Manual, pp. 1-28, printed prior to Feb. 28, 2005.
- Lux TX9000 Installation, 3 pages, prior to Apr. 21, 2005.
- Lux, "ELV1 Programmable Line Voltage Thermostat," Owner's Manual, 3 pages, 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.
- Metasys, "HVAC Pro for Windows User's Manual," 308 pages, 1998.
- Mounting Template for Ritetemp Thermostat 8082, 1 page, 2002.
- Operation Manual for Ritetemp Touch Screen Thermostat 8082, 8 pages, 2002.
- Proliphix, "NT10e & NT20e Configuration Guide," 1-44, prior to Jan. 24, 2008.
- Proliphix, "Web Enabled IP Thermostats, Intelligent HVAC Control," Proliphix Inc., 2 pages, on or before Aug. 28, 2004.
- Proliphix, "Web Enabled IP Thermostats, Ultimate in Energy Efficiency!," Proliphix Inc., 2 pages, on or before Aug. 28, 2004.
- Proliphix, Inc., "NT10e & NT20e," 54 pages, on or before Aug. 30, 2005.
- Quick Start Guide for Ritetemp Thermostat 8082, 1 page, 2002.
- Remote Control Power Requirement for Ritetemp Thermostat 8082, 1 page, 2002.
- Ritetemp Operation 8029, 3 pages, Jun. 19, 2002.
- Ritetemp Operation 8050, 5 pages, Jun. 26, 2002.
- Ritetemp Operation 8085, pp. 1-6, prior to Apr. 21, 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.

* cited by examiner

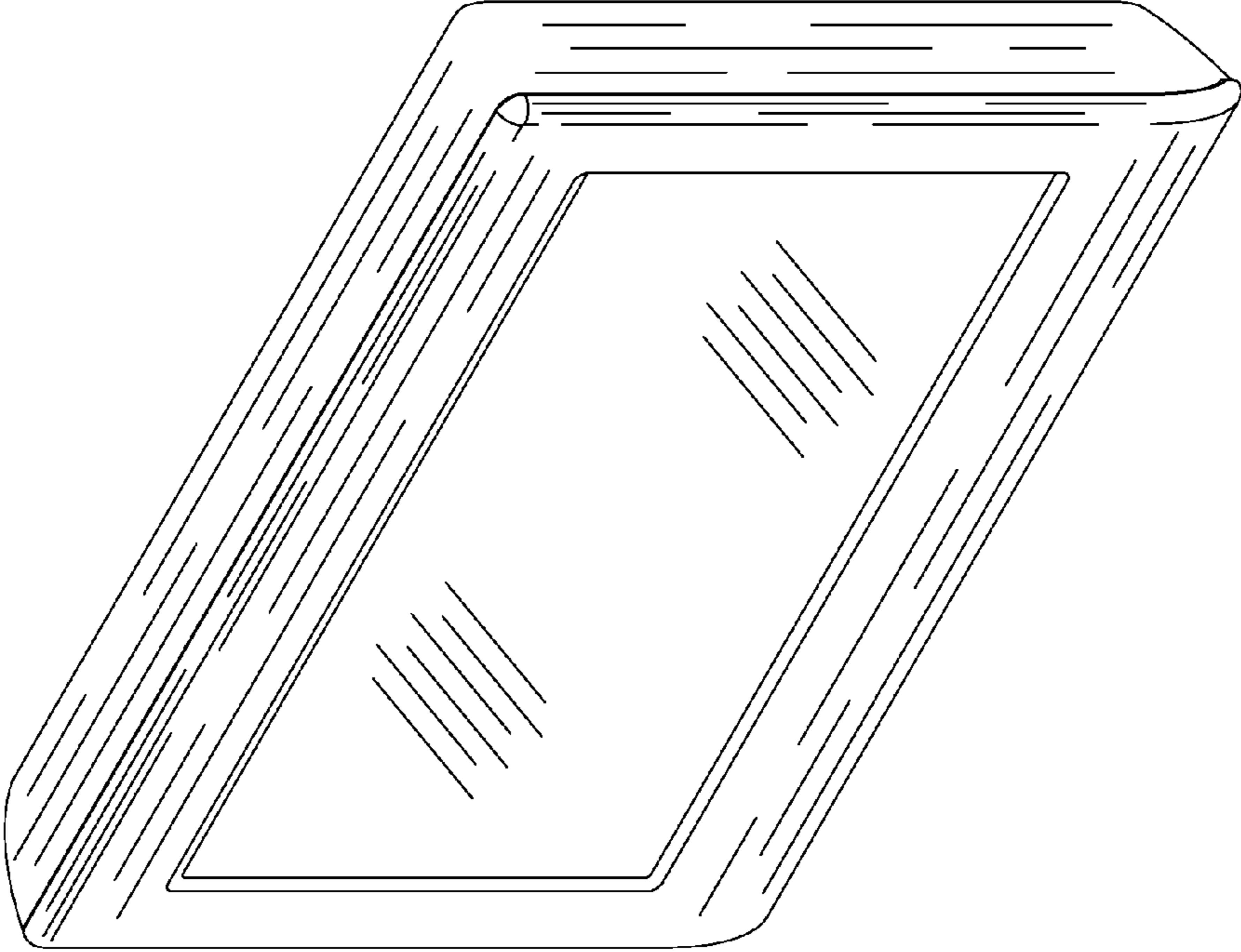


Figure 1

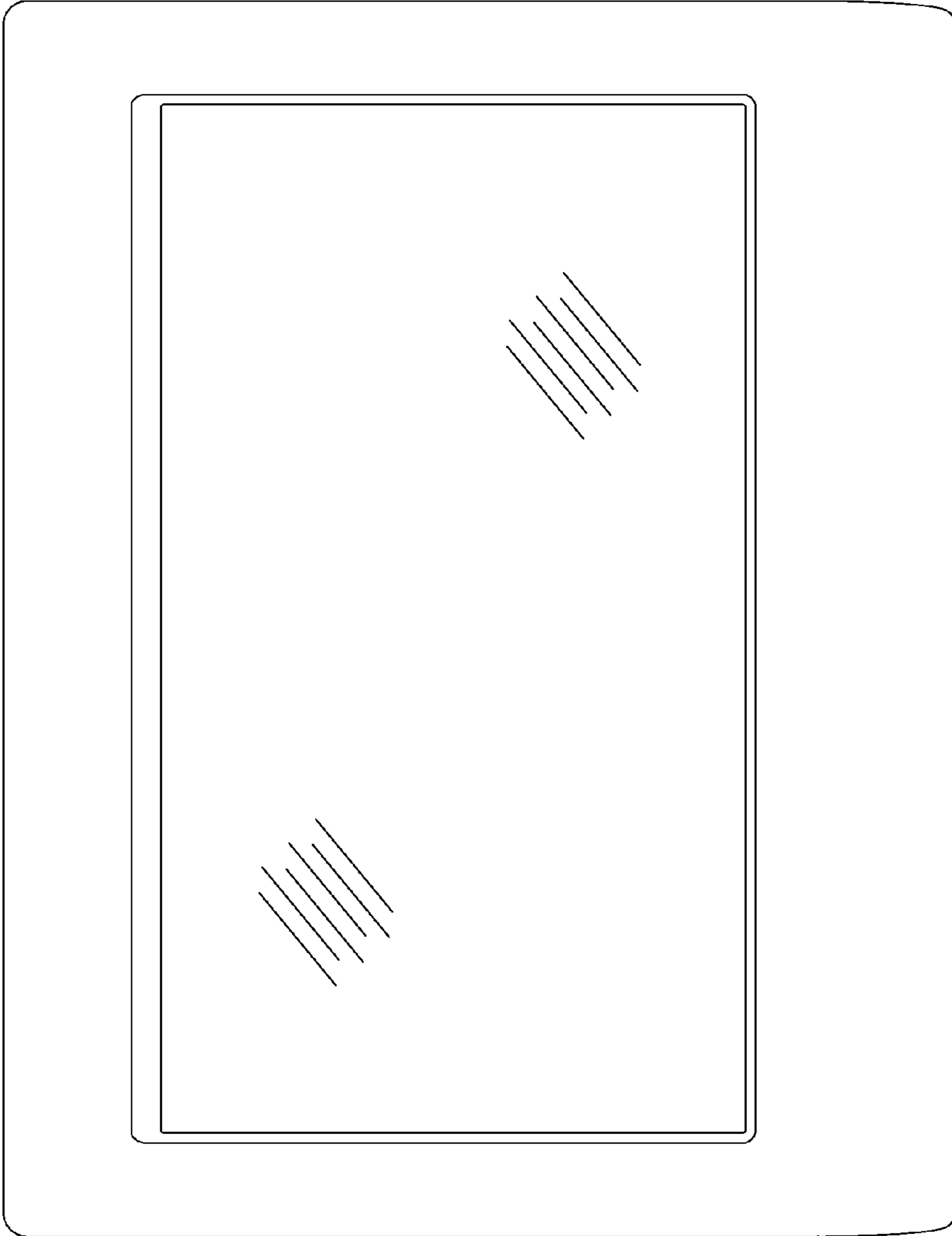


Figure 2

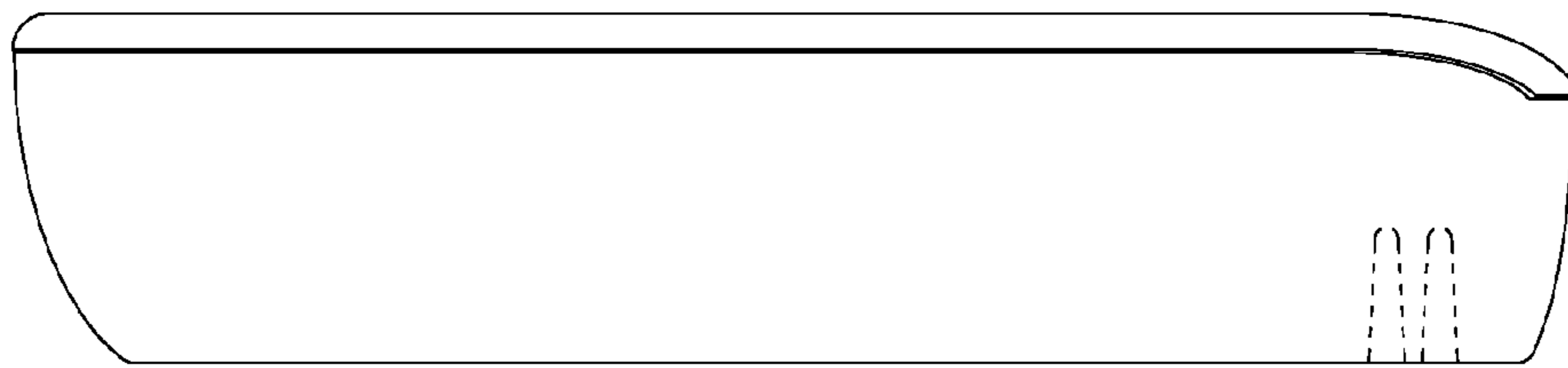


Figure 3

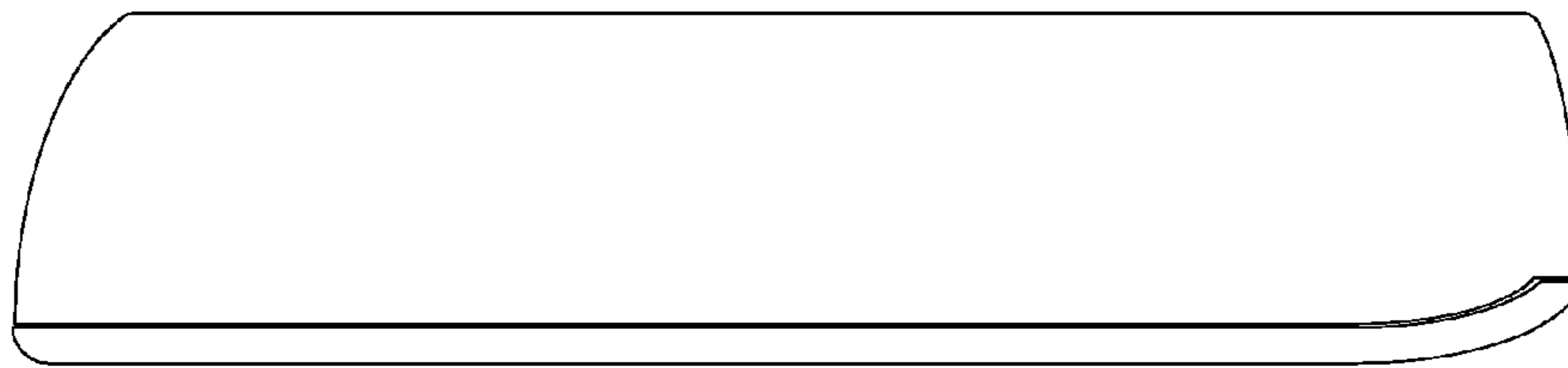


Figure 4

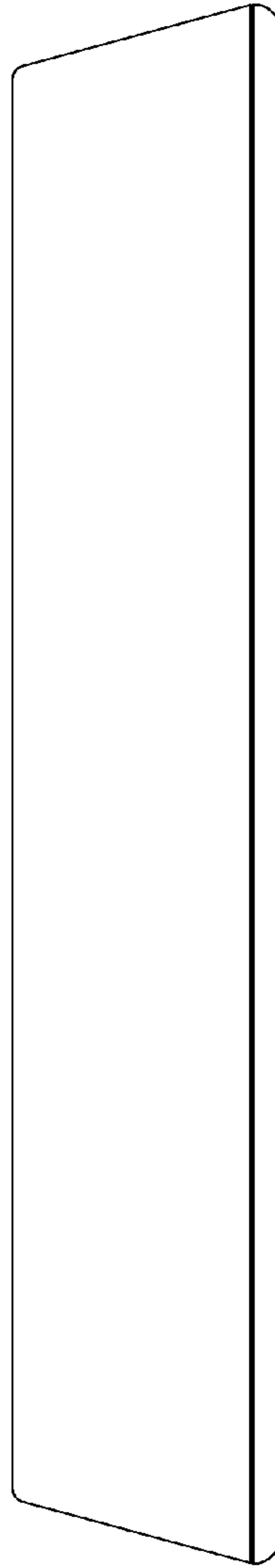


Figure 5

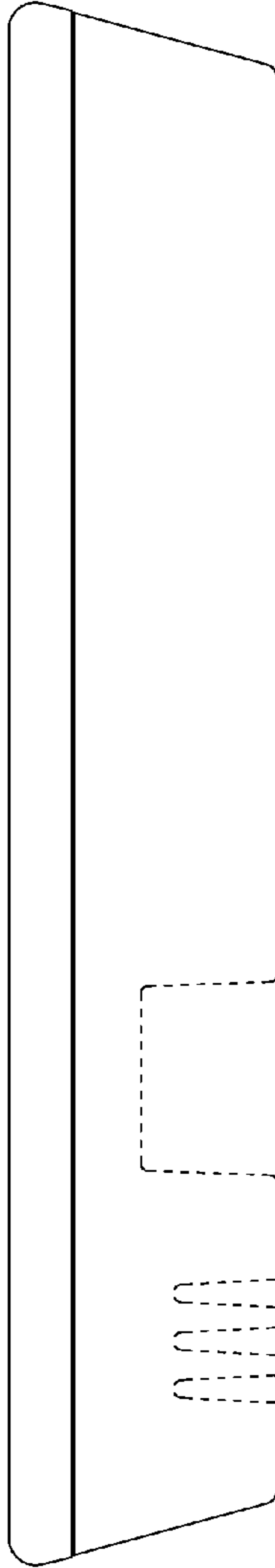


Figure 6