

US00D525222S

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

(10) **Patent No.:** **US D525,222 S**
(45) **Date of Patent:** **** Jul. 18, 2006**

(54) **HANDHELD COMMUNICATION DEVICE**

EP 0732646 9/1996
EP 0760291 3/1997
EP 0882259 12/1998

(75) Inventors: **Cortez Corley**, Waterloo (CA); **Roman Peter Rak**, Waterloo (CA)

(Continued)

(73) Assignee: **Research in Motion Limited** (CA)

OTHER PUBLICATIONS

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

“Programmable Calculators: Hewlett-Packard HP-200LX,” Viktor T. Toth, copyr. 2001, 2002, from web page at www.r-skey.org/hp2001x.htm.

(21) Appl. No.: **29/217,432**

Anonymous: Triangular Toggle Keys for Touch-Tone Phones; IBM Technical Disclosure Bulletin, vol. 31, No. 1, Jun. 1, 1988, pp. 47-49, New York, US.

(22) Filed: **Nov. 17, 2004**

IBM Technical Disclosure Bulletin; vol. 18, No. 12; May 1976; pp. 4187-4190.

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/205,517, filed on May 17, 2004.

“Phone Key Pads”; from web page www.dialabc.com/motion/keypads.html; printed Jan. 21, 2004.

(51) **LOC (8) Cl.** **14-03**

Commercial Telecommunication Standards, E-series ITU-T Recommendations; from web page http://www-comm.itsa.disa.mil/itu/r_e0.html; printed Jan. 21, 2004.

(52) **U.S. Cl.** **D14/138; D14/346**

“Using Numeric Keypad with 4-way keys as New Standard for Text Entry in Compact/Mobile Devices,” David Hirschberg; 3 pages; submitted to a demonstration session in CHI 2003 conference.

(58) **Field of Classification Search** D14/137, D14/138, 147-148, 247-248, 144, 390, 391, D14/399, 341-347; 379/433.01-433.13, 379/434, 368; 455/550.1-90.3, 575.3, 566, 455/575.1, 575.4, 575.6, 556.1, 556.2; D21/517, D21/329, 331, 333; 345/169, 168; 400/486; D13/168

(Continued)

See application file for complete search history.

Primary Examiner—Jeffrey Asch

(56) **References Cited**

(74) *Attorney, Agent, or Firm*—Jones Day

U.S. PATENT DOCUMENTS

(57) **CLAIM**

606,903 A 7/1898 Torrey et al.
1,030,002 A 6/1912 Schmitt
1,319,687 A 10/1919 Bates
3,293,362 A 12/1966 Veldkamp
3,633,724 A 1/1972 Samuel
D228,137 S 8/1973 Chadima, Jr.

The ornamental design for a handheld communication device, as shown and described.

(Continued)

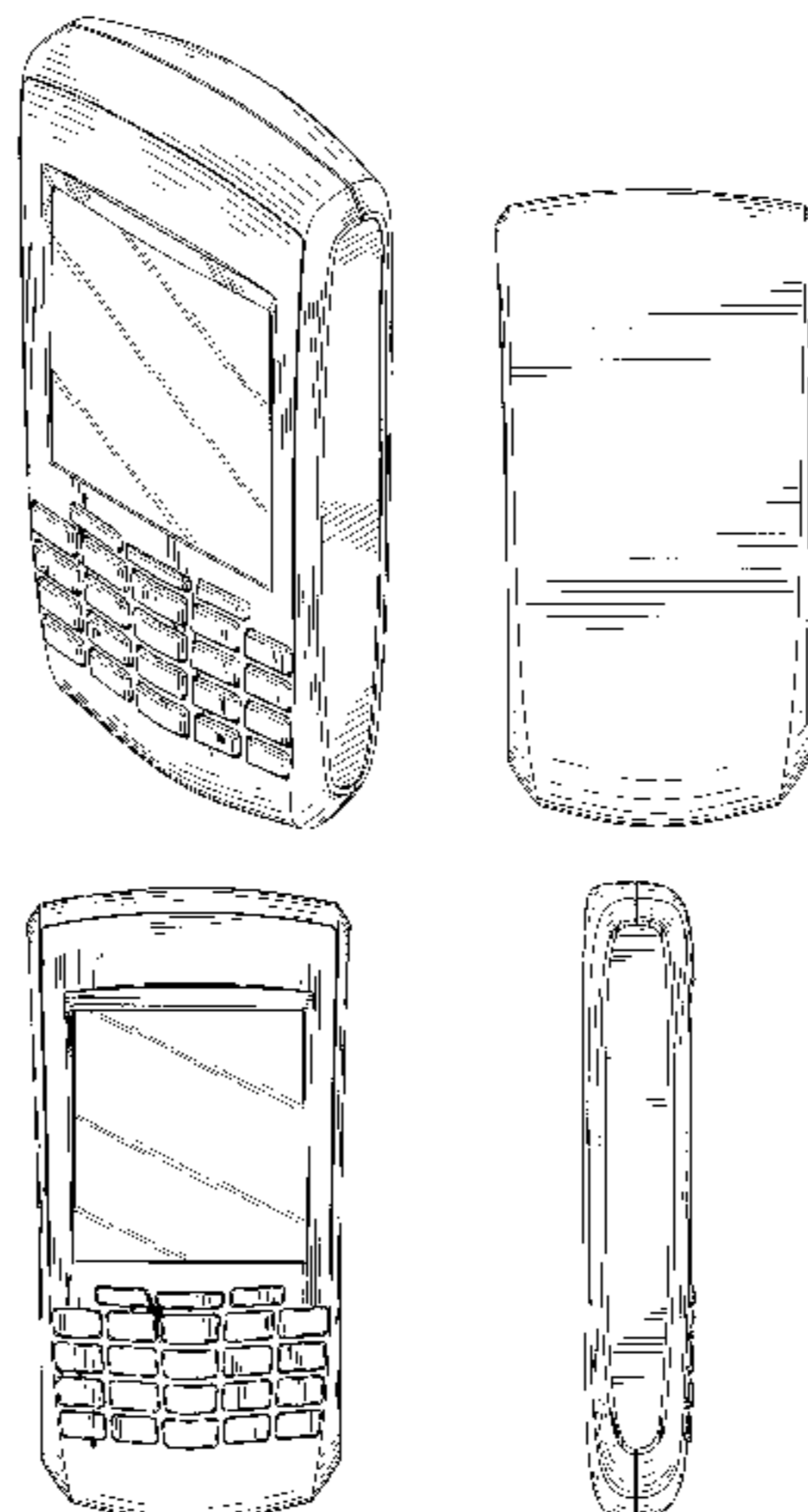
DESCRIPTION

FOREIGN PATENT DOCUMENTS

EP 0129996 1/1985
EP 0267801 5/1988
EP 0278169 8/1988
EP 0538020 4/1993
EP 0685801 12/1995

FIG. 1 is a perspective view of a handheld communication device of 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; and,
FIG. 7 is a bottom view thereof.

1 Claim, 5 Drawing Sheets



US D525,222 S

U.S. PATENT DOCUMENTS					
D237,622 S	11/1975	Oyama	D390,509 S	2/1998	Antzinas et al.
3,967,273 A	6/1976	Knowlton	5,737,394 A	4/1998	Anderson et al.
4,029,915 A	6/1977	Ojima	D396,215 S	7/1998	Inukai
D249,345 S	9/1978	Oliveira et al.	5,786,776 A	7/1998	Kisaichi et al.
D258,956 S	4/1981	Chadima, Jr.	D397,369 S	8/1998	Rissman
D266,855 S	11/1982	Yoshioka et al.	5,790,103 A	8/1998	Willner
4,449,839 A	5/1984	Bleuer	D397,679 S	9/1998	Hawkins et al.
D278,059 S	3/1985	Desrochers	D397,728 S	9/1998	Yuen et al.
D278,341 S	4/1985	Scheid	D399,537 S	10/1998	Chi et al.
D291,201 S	8/1987	Weisel et al.	5,818,437 A	10/1998	Grover et al.
D293,241 S	12/1987	Wan et al.	5,825,353 A	10/1998	Will
D298,546 S	11/1988	Yoshioka et al.	5,827,082 A	10/1998	Laine
D298,622 S	11/1988	Yubisui et al.	5,841,374 A	11/1998	Abraham
D299,251 S	1/1989	Enda et al.	D402,572 S	12/1998	Han
D303,112 S	8/1989	Desrochers	D403,362 S	12/1998	Fai
D303,981 S	10/1989	Takemata et al.	D403,667 S	1/1999	Musha
D304,175 S	10/1989	Sakaguchi et al.	5,861,821 A	1/1999	Kato et al.
D304,718 S	11/1989	Sakaguchi et al.	D406,839 S	3/1999	Forget
D307,888 S	5/1990	Ishida	5,893,798 A	4/1999	Stambolic et al.
D307,890 S	5/1990	Kim	D409,185 S	5/1999	Kawashima
D309,729 S	8/1990	Tanabe	D409,601 S	5/1999	Wicks et al.
D312,628 S	12/1990	Yokoi et al.	D411,528 S	6/1999	Tien
D313,224 S	12/1990	Yokoi et al.	5,915,228 A	6/1999	Kunihiro et al.
D313,401 S	1/1991	Tanabe	5,920,308 A	7/1999	Kim
D313,413 S	1/1991	Langton	D413,325 S	8/1999	Lee D14/138
D319,433 S	8/1991	Pearce	5,931,873 A	8/1999	Cisar
5,059,048 A	10/1991	Sirkin	5,953,541 A	9/1999	King et al.
D330,543 S	10/1992	Tsuchida et al.	5,963,197 A	10/1999	Bacon et al.
D332,604 S	1/1993	Miyake et al.	5,974,238 A	10/1999	Chase, Jr.
5,184,830 A	2/1993	Okada et al.	D416,001 S	11/1999	Tal et al. D14/347
5,217,295 A	6/1993	Tortola et al.	D416,253 S	11/1999	Hibino
D341,825 S	11/1993	Hamilton	D416,256 S	11/1999	Griffin et al.
5,288,158 A	2/1994	Matias	5,982,520 A	11/1999	Weiser et al.
D348,654 S	7/1994	Branck et al.	5,995,026 A	11/1999	Sellers
5,336,001 A	8/1994	Lichtenberg	6,005,496 A	12/1999	Hargreaves et al.
5,336,002 A	8/1994	Russo	6,006,351 A	12/1999	Peretz et al.
5,337,346 A	8/1994	Uchikura	6,009,333 A	12/1999	Chaco
5,360,280 A	11/1994	Camacho et al.	6,011,554 A	1/2000	King et al.
5,367,298 A	11/1994	Axthelm	6,014,429 A	1/2000	LaPorta et al.
D356,563 S	3/1995	Berry D14/138	6,014,573 A	1/2000	Lehtonen et al.
D357,253 S	4/1995	Wong	D420,351 S	2/2000	Waldner
5,410,141 A	4/1995	Koenck et al.	D421,019 S	2/2000	Curtis D14/247
5,410,333 A	4/1995	Conway	D421,020 S	2/2000	Curtis D14/247
5,426,449 A	6/1995	Danziger	6,023,779 A	2/2000	Fullam et al.
D359,920 S	7/1995	Sakamoto	D422,271 S	* 4/2000	Kawashima D14/343
5,436,954 A	7/1995	Nishiyama et al.	D422,595 S	* 4/2000	Taylor et al. D14/240
5,457,454 A	10/1995	Sugano	6,047,047 A	4/2000	Aldridge et al.
D367,043 S	2/1996	Ross et al.	6,047,196 A	4/2000	Makela et al.
5,497,151 A	3/1996	Dombroski	6,049,796 A	4/2000	Siitonen et al.
5,500,643 A	3/1996	Grant	6,052,070 A	4/2000	Kivela et al.
D368,708 S	4/1996	Maynard et al.	D425,056 S	5/2000	Edwards et al. D14/138
5,543,787 A	8/1996	Karidis et al.	D425,057 S	* 5/2000	Finkbeiner D14/138
5,563,631 A	10/1996	Masunaga	D425,887 S	5/2000	Edwards
5,575,576 A	11/1996	Roysden, Jr.	6,084,576 A	7/2000	Leu et al.
5,600,790 A	2/1997	Barnstijn et al.	6,091,956 A	7/2000	Hollenberg
5,606,712 A	2/1997	Hidaka	6,094,197 A	7/2000	Buxton et al.
5,611,031 A	3/1997	Hertzfeld et al.	D429,226 S	8/2000	Siddoway et al.
D381,021 S	7/1997	Williams et al.	6,102,594 A	8/2000	Strom
D381,638 S	7/1997	Kruse et al.	6,103,979 A	8/2000	Motoyama et al.
5,659,307 A	8/1997	Karidis et al.	6,107,997 A	8/2000	Ure
5,661,605 A	8/1997	Conway	D432,511 S	10/2000	Eckholm
D383,756 S	9/1997	Henderson et al.	D433,017 S	10/2000	Martinez
5,664,896 A	9/1997	Blumberg	D433,460 S	11/2000	Griffin et al.
5,672,108 A	9/1997	Lam et al.	D434,016 S	11/2000	Hunt D14/138
D385,855 S	11/1997	Ronzani	D434,034 S	11/2000	Burke et al.
D386,497 S	11/1997	Huslig et al.	6,148,261 A	11/2000	Obradovich et al.
5,689,253 A	11/1997	Hargreaves et al.	D434,739 S	12/2000	Hanna et al.
5,700,097 A	12/1997	Kuhlenschmidt	6,157,323 A	12/2000	Tso et al.
D389,139 S	1/1998	Oross et al.	D435,844 S	1/2001	Yeh
D389,465 S	1/1998	Heiman et al. D14/336	D436,583 S	* 1/2001	Newby et al. D14/138
			D436,591 S	1/2001	Abston et al.

US D525,222 S

D439,230 S	3/2001	Braxton et al.	D14/138	D468,714 S	1/2003	Maruska et al.	
D439,898 S	4/2001	Ober et al.		D469,367 S	1/2003	Mirabelli et al.	
D440,562 S	4/2001	Gottlieb et al.		6,507,336 B1	1/2003	Lunsford	
6,212,412 B1	4/2001	Rogers et al.		D469,748 S	2/2003	Ribeiro et al.	D14/138
D441,357 S	5/2001	Kolinen	D14/247	D469,749 S	2/2003	Kim	
D441,733 S	5/2001	Do et al.		D470,137 S	2/2003	Everett et al.	
D442,156 S	5/2001	Lee		D470,150 S	2/2003	Lewis, Jr. et al.	
D442,173 S	5/2001	Wang et al.		D470,842 S	2/2003	Bhatia et al.	
D442,569 S	5/2001	Hanna et al.		D470,843 S	2/2003	Horiki	
D443,612 S	6/2001	Evers et al.		D471,904 S	3/2003	Majanen	
6,243,789 B1	6/2001	Hasbun et al.		D472,225 S	3/2003	Griffin	
D445,106 S	7/2001	Mosgrove et al.		6,535,749 B1	3/2003	Iwata et al.	
D446,526 S	8/2001	Evers et al.		6,538,651 B1	3/2003	Haymann et al.	
6,278,442 B1	8/2001	Griffin et al.		D472,551 S	4/2003	Griffin	
D448,355 S *	9/2001	Higashi et al.	D14/138	D473,226 S	4/2003	Griffin	
6,286,064 B1	9/2001	King et al.		D474,166 S *	5/2003	Burns et al.	D14/138
6,295,052 B1	9/2001	Kato et al.		D475,047 S *	5/2003	Choi et al.	D14/346
D448,765 S	10/2001	Cohen et al.		D475,998 S	6/2003	Salmi	D14/247
D449,595 S	10/2001	Park et al.		D476,317 S	6/2003	Lehtonen	
D449,596 S	10/2001	Park et al.		D476,320 S	6/2003	Arbisi	
D449,604 S	10/2001	Colvin et al.	D14/345	D476,330 S	6/2003	Ahearn et al.	
D449,830 S	10/2001	Vuolteenaho et al.		D476,647 S	7/2003	Lehtonen	
6,297,795 B1	10/2001	Kato et al.		D476,983 S	7/2003	Salmi	
6,304,261 B1	10/2001	Shields et al.		D476,984 S	7/2003	Salmi	
6,304,431 B1	10/2001	Kim		D476,985 S	7/2003	Griffin	
6,307,548 B1	10/2001	Flinchem et al.		D477,596 S *	7/2003	Hayes	D14/343
6,307,549 B1	10/2001	King et al.		6,597,345 B1	7/2003	Hirschberg	
6,310,609 B1	10/2001	Morgenthaler		D478,324 S *	8/2003	O'Neil	D14/138
D451,079 S	11/2001	Ali		D478,585 S	8/2003	Griffin	
D451,092 S	11/2001	Park et al.		D478,882 S	8/2003	Peng et al.	D14/138
D451,502 S	12/2001	Vuolteenaho et al.		6,611,254 B1	8/2003	Griffin et al.	
6,333,734 B1	12/2001	Rein		D479,212 S	9/2003	Eckholm	D14/138
D452,687 S	1/2002	Yeh		D479,216 S	9/2003	Ho-Cheun et al.	D14/138
D453,149 S	1/2002	Skoger et al.		D479,232 S	9/2003	Bruno et al.	
D453,158 S	1/2002	Chen		D479,233 S	9/2003	Griffin	
D453,332 S	2/2002	Herath		D480,057 S	9/2003	Ho-Cheun et al.	D14/138
D454,348 S	3/2002	Yeh		D480,697 S	10/2003	Lee et al.	
D454,349 S	3/2002	Makidera et al.		D480,722 S	10/2003	Griffin	
D454,849 S	3/2002	Eckholm		6,630,924 B1	10/2003	Peck	
6,356,258 B1	3/2002	Kato et al.		6,647,367 B1	11/2003	McArthur et al.	
6,374,277 B1	4/2002	Vong et al.		D484,477 S	12/2003	Salmi	D14/138
6,378,234 B1	4/2002	Luo		D484,873 S	1/2004	Salmi	
D456,794 S	5/2002	Laverick et al.		D487,068 S	2/2004	Isaacs et al.	D14/138
D456,804 S	5/2002	Fisher et al.		D487,438 S *	3/2004	Sheu	D14/138
D456,805 S	5/2002	Ono et al.		D487,572 S	3/2004	Munstermann	D14/138
D456,806 S	5/2002	Ahearn et al.		6,703,963 B1	3/2004	Higginson	
6,385,463 B1	5/2002	Lieberman et al.		D488,143 S *	4/2004	Ting et al.	D14/138
6,396,482 B1	5/2002	Griffin et al.		D488,787 S	4/2004	Jung	D14/138
D458,239 S	6/2002	Shim et al.		D488,789 S *	4/2004	Lee	D14/138
D459,327 S	6/2002	Ali		D489,368 S	5/2004	Yoneda et al.	
D460,057 S	7/2002	Hunt	D14/138	D489,717 S	5/2004	Hsieh	
D460,068 S	7/2002	Lanzaro et al.		D490,100 S	5/2004	Su et al.	D18/2
D460,493 S	7/2002	Griffin et al.		D490,119 S *	5/2004	Griffin et al.	D21/329
D461,803 S	8/2002	Griffin et al.		D490,421 S	5/2004	Everett et al.	
D462,357 S	9/2002	Jenkins		D490,422 S	5/2004	Iwama et al.	
D463,421 S	9/2002	Lanzaro et al.		D491,172 S	6/2004	Sheu	
D463,425 S	9/2002	Jenkins		D491,543 S *	6/2004	Chang et al.	D14/138
6,452,588 B1	9/2002	Griffin et al.		D491,929 S	6/2004	Nuovo et al.	
D464,645 S *	10/2002	O'Neil	D14/248	D492,276 S	6/2004	Walliser et al.	
D464,962 S	10/2002	MacGregor et al.		D492,296 S	6/2004	Arbisi	D14/247
D464,963 S	10/2002	Nishida		D492,305 S	6/2004	Choi et al.	
D464,995 S	10/2002	Griffin et al.		D492,306 S	6/2004	Martin et al.	
6,459,968 B1	10/2002	Kochie		D492,657 S *	7/2004	Jensfelt	D14/138
D465,219 S	11/2002	Tamaki et al.		D492,659 S *	7/2004	Medeiros et al.	D14/138
D466,116 S	11/2002	Bhatia et al.		D492,660 S	7/2004	Kim et al.	
D466,877 S	12/2002	Hawkins et al.		D492,681 S	7/2004	Ahearn et al.	
D466,878 S	12/2002	Porter	D14/138	D493,436 S	7/2004	Okada et al.	D14/138
D467,235 S	12/2002	Hawkins et al.		D493,457 S	7/2004	Hsu	
D467,918 S	12/2002	Fitch et al.		6,765,556 B1	7/2004	Kandogan et al.	
6,489,950 B1	12/2002	Griffin et al.		D493,778 S	8/2004	Walliser et al.	
D468,307 S	1/2003	Chuang		D493,781 S	8/2004	Sheu	

D494,559 S	8/2004	Fuxen	D14/138
D494,561 S	8/2004	Kagami et al.	
D494,949 S *	8/2004	Arnholt et al.	D14/138
D494,950 S	8/2004	Keunecke	
6,785,387 B1	8/2004	Albrecht	
D495,687 S	9/2004	Arbisi	D14/247
D496,019 S	9/2004	Okada et al.	D14/138
D496,020 S	9/2004	Lee	D14/138
D496,343 S	9/2004	Lin et al.	
D496,641 S	9/2004	Seo	D14/138
D496,655 S	9/2004	Harries et al.	D14/247
6,799,303 B1	9/2004	Blumberg	
D496,921 S	10/2004	Hwang	
D496,933 S	10/2004	Wu	
D497,160 S	10/2004	Nagao et al.	
D497,361 S	10/2004	Gartrell et al.	D14/247
6,809,660 B1	10/2004	Bestle	
D497,892 S *	11/2004	Peng	D14/138
D498,473 S	11/2004	Sheu	D14/247
D498,752 S	11/2004	Kagami et al.	D14/248
D499,088 S	11/2004	Sheu	D14/247
D499,723 S	12/2004	Kagami et al.	
D500,500 S *	1/2005	Chien	D14/346
D500,992 S	1/2005	Shen et al.	D14/138
D502,157 S	2/2005	Kim et al.	D14/138
D502,159 S *	2/2005	Chan et al.	D14/138
D502,160 S *	2/2005	Chen et al.	D14/138
D502,455 S	3/2005	Brandis et al.	D14/138
D502,933 S *	3/2005	Munstermann	D14/138
D503,162 S *	3/2005	Kagami et al.	D14/138
D503,163 S *	3/2005	Chan et al.	D14/138
6,867,965 B1	3/2005	Khoo	361/686
D503,697 S	4/2005	Kim	D14/138
2001/0044828 A1	11/2001	Kikinis	
2001/0048378 A1	12/2001	Horie	
2002/0027549 A1	3/2002	Hirshberg	
2002/0032011 A1	3/2002	Park	455/90
2002/0149566 A1	10/2002	Sarkissian	
2003/0006968 A1	1/2003	Solomon	
2003/0067445 A1	4/2003	Hirshberg et al.	
2003/0073456 A1	4/2003	Griffin et al.	
2003/0083021 A1	5/2003	Hsu et al.	455/90
2003/0107555 A1	6/2003	Williams	
2003/0160712 A1	8/2003	Levy	
2003/0193478 A1	10/2003	Ng et al.	
2004/0108994 A1	6/2004	Kato	
2004/0142734 A1	7/2004	Kim	455/575.1
2004/0165924 A1 *	8/2004	Griffin	400/486
2004/0171411 A1 *	9/2004	Shimoda et al.	455/575.1
2004/0189607 A1	9/2004	Afanasiev	
2004/0198249 A1	10/2004	Griffin	
2005/0014537 A1 *	1/2005	Gammon et al.	455/575.1
2005/0019079 A1 *	1/2005	Griffin et al.	400/486
2005/0054376 A1 *	3/2005	Griffin et al.	455/553.1

FOREIGN PATENT DOCUMENTS

EP	0540147	6/1999
EP	1143327	10/2001
GB	2242047	9/1991
JP	2002-251253	6/2002

JP	2002-222037	8/2002
JP	2002-297292	10/2002
JP	2003-258977	9/2003
WO	98/33111	7/1998
WO	98/44631	10/1998
WO	99/37025	7/1999
WO	00/30381	5/2000
WO	00/38041	6/2000
WO	00/74240	12/2000
WO	01/50335	7/2001
WO	01/85460	11/2001
WO	01/095358	12/2001
WO	WO/059367	3/2002
WO	WO/060792	6/2002
WO	02/088920	11/2002
WO	03/012617	2/2003
WO	03/019519	3/2003
WO	03/041047	5/2003
WO	03/100804	12/2003

OTHER PUBLICATIONS

“Smart Virtual Keyboard System Suitable for Mouse or Stylus Entry”, Ruediger W. Knodt, Xerox Disclosure Journal 18 (1993) May/Jun., No. 3, Stamford, Conn., pp. 245–246.

“Iconic Text Entry Using a Numeric Keypad”, by John Jannotti, from web page www.pdos.lcs.mit.edu/~jj/jannotti.com/papers/iconic-uis02/; printed on Jan. 22, 2004.

Palm Tungsten C, Rough Guide to Pocket Stuff, Oct. 03, p. 45 (2 pgs).

Palm Tungsten W, Stuff Magazine, Dec. 03, p. 140.

Handspring Treo 600, Stuff Magazine, Dec. 03, p. 136.

Handspring Treo 90, Rough Guide to Pocket Stuff, Oct. 03, p. 46 (2 pgs).

Handspring Treo 270, Rough Guide to Pocket Stuff, Oct. 03, p. 39 (2 pgs).

Sony Clie PEG-UX50, Stuff Magazine, Jan. 04, p. 74 (2 pgs).

Sony Clie NX70V, Rough Guide to Pocket Stuff, Oct. 03, p. 45.

Sony Ericsson P800, Stuff Magazine, Dec. 03, p. 65 (2 pgs).

Sony Ericsson P900, Stuff Magazine, Jan. 04, p. 12.

Orange E100, Rough Guide to Pocket Stuff, Oct. 03, p. 41 (2 pgs.).

Stuff Magazine, Jan. 04, p. 113.

Nokia 7600, Stuff Magazine, Jan. 04, p. 24 (2 pgs).

Nokia N-Gage, Stuff Magazine, Dec. 03, p. 65.

Nokia 3650, Stuff Magazine, Dec. 03, p. 141 (2 pgs).

Siemens SX1, Stuff Magazine, Jan. 04, p. 64 (2 pgs).

TelMe T919, Rough Guide to Pocket Stuff, Oct. 03, p. 39.

Motorola A920, Stuff Magazine, Dec. 03, p. 137.

Sony Ericsson P900, Stuff Magazine, Jan. 04, p. 78 (2 pgs).

Sony Clie NZ90, Rough Guide to Pocket Stuff, Oct. 03, p. 47 (2 pgs).

Motorola A920, Stuff Magazine, Dec. 03, p. 72 (2 pgs).

* cited by examiner

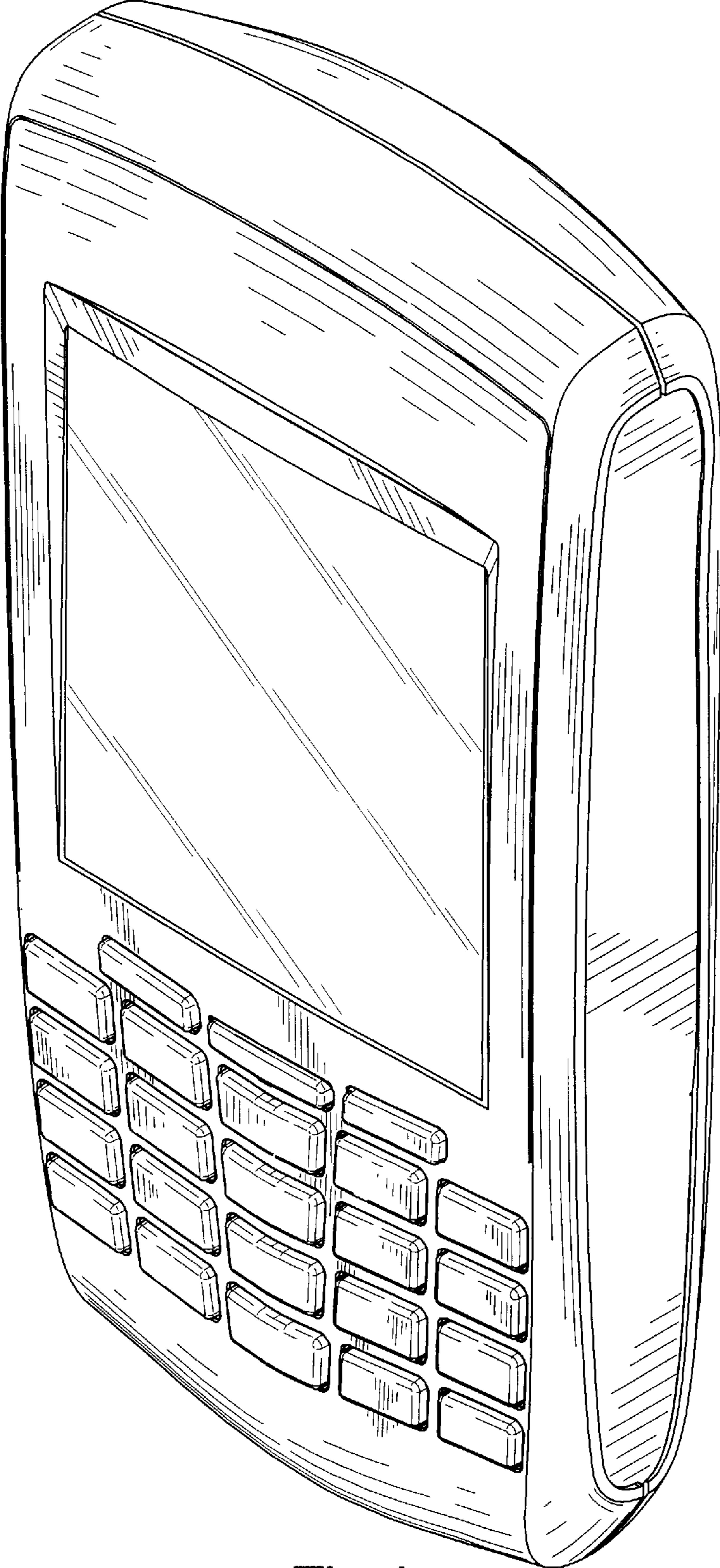


Fig. 1

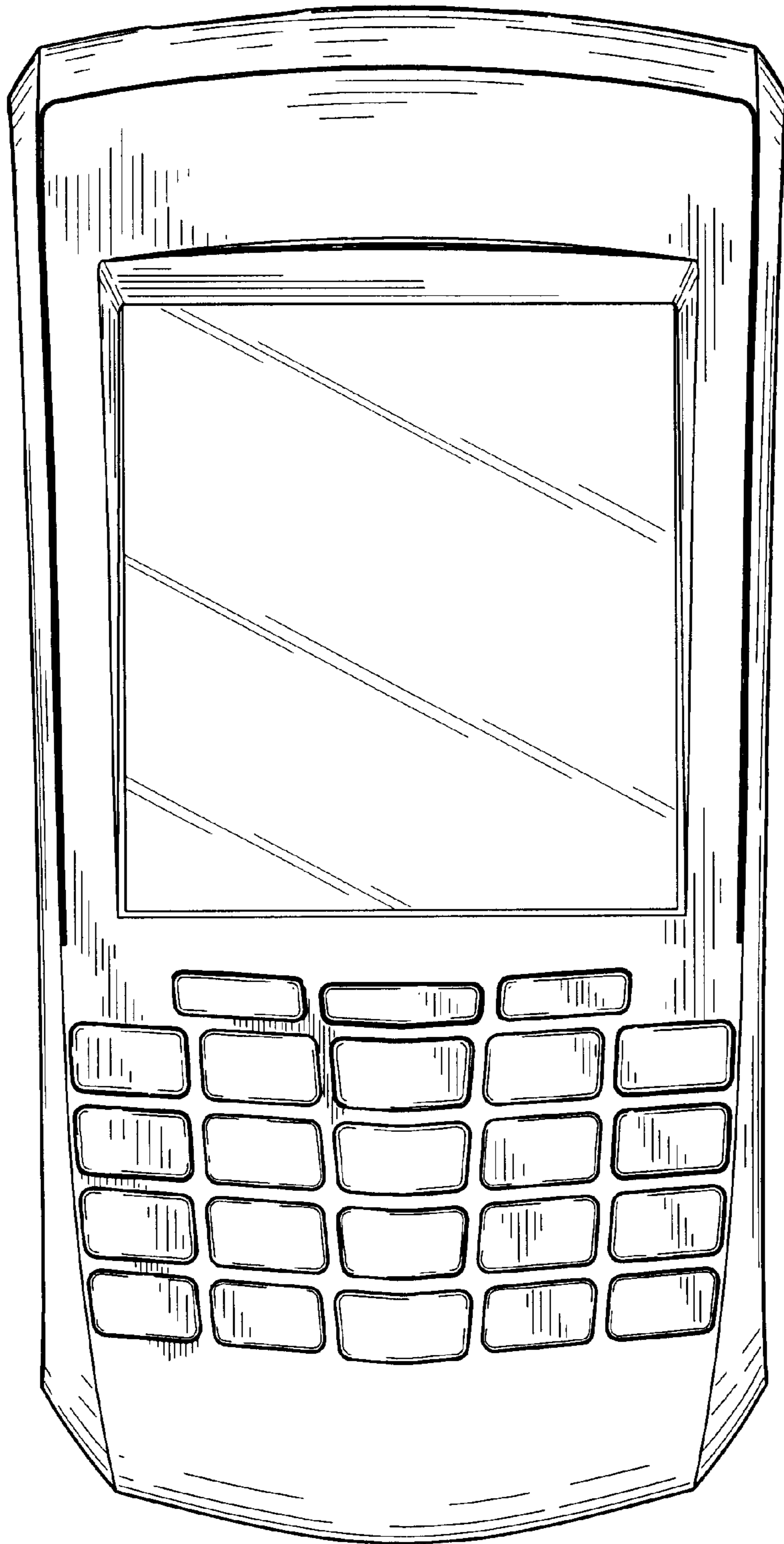


Fig.2

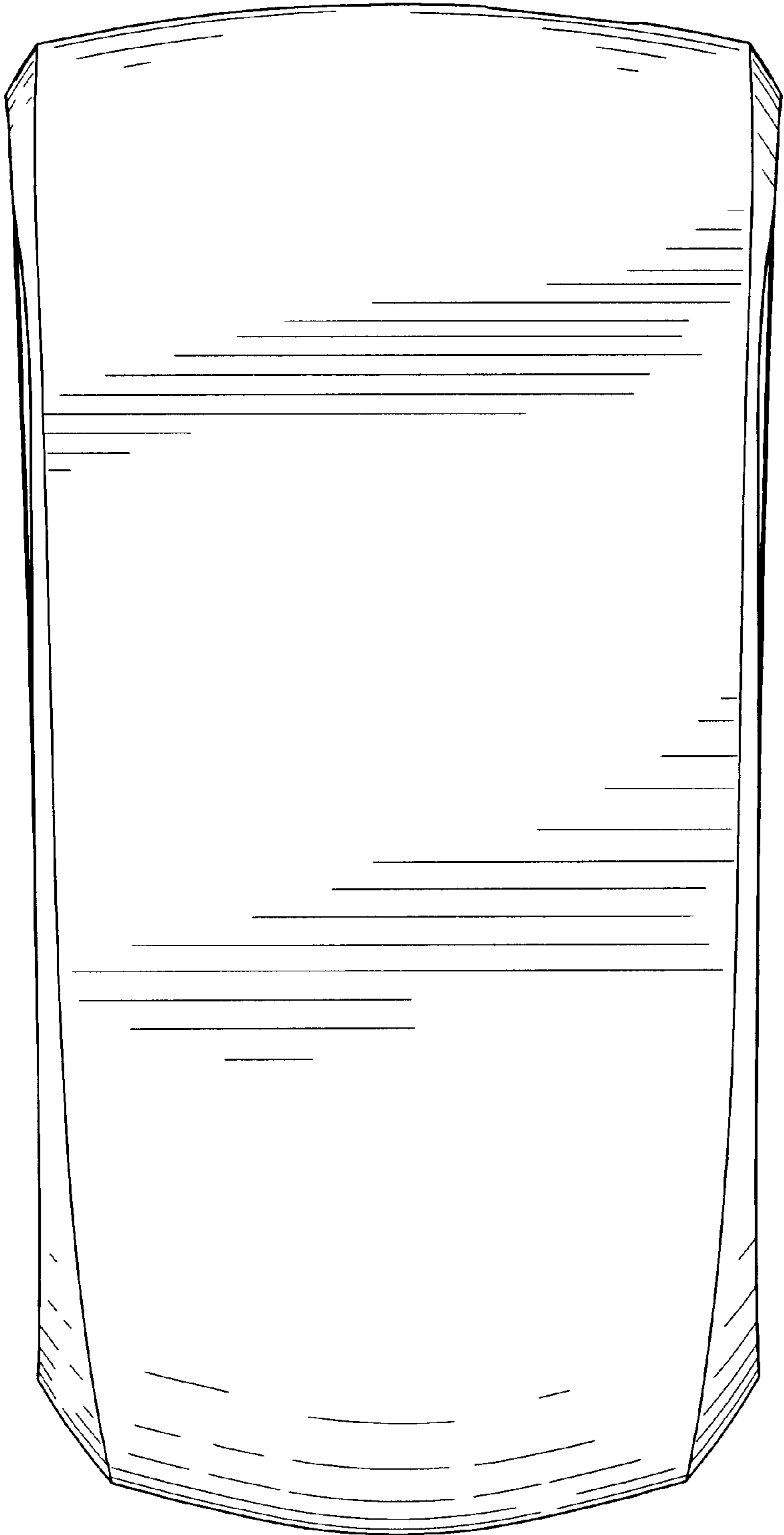


Fig. 3

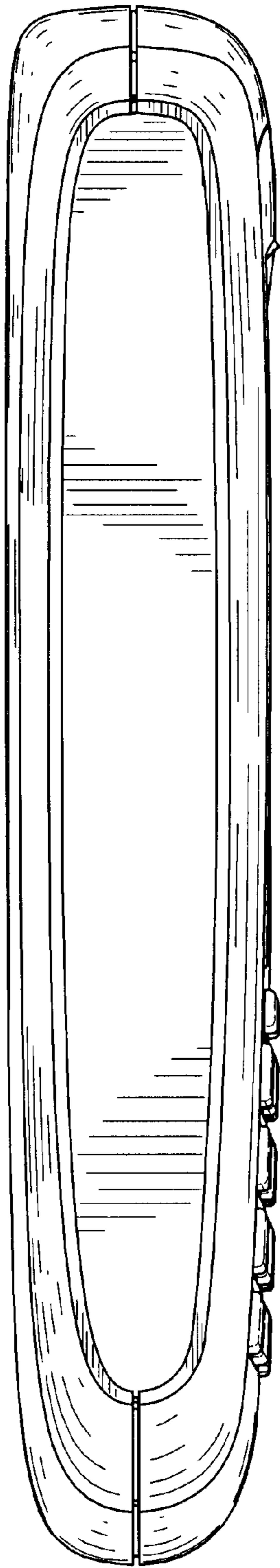


Fig. 4

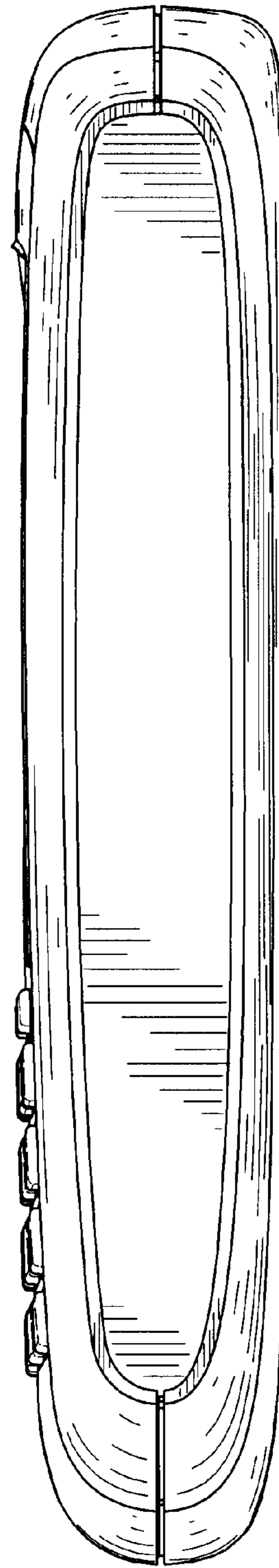


Fig. 5

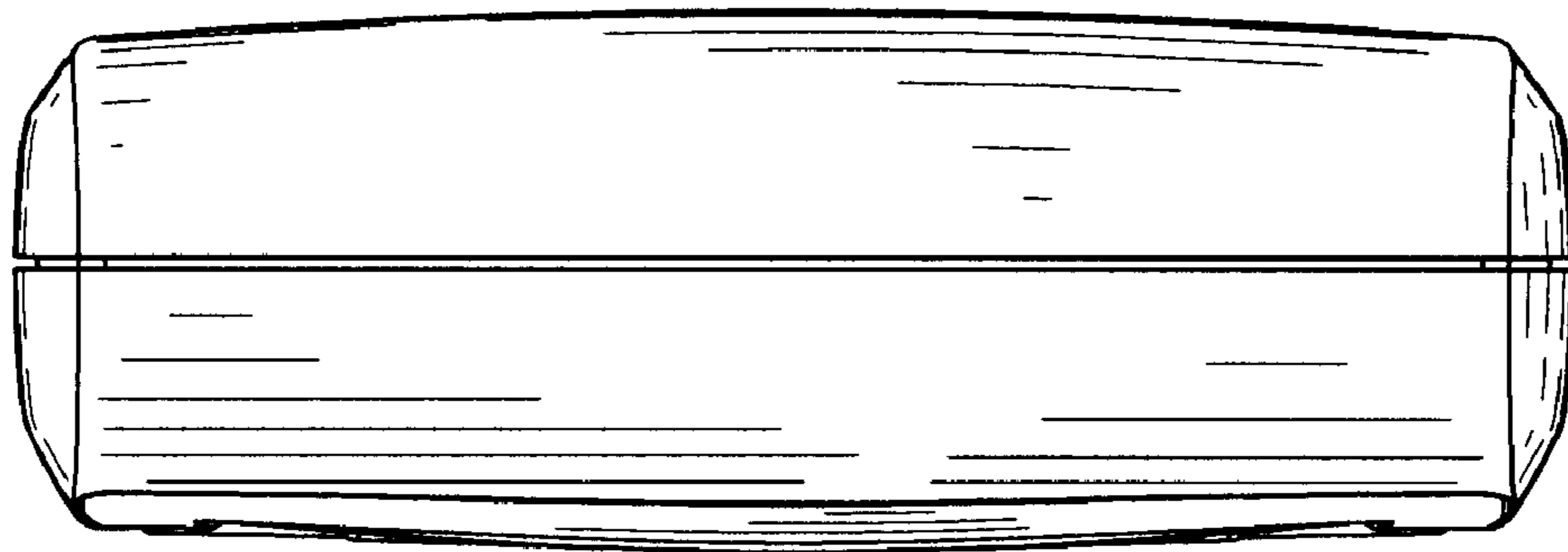


Fig. 6



Fig. 7