US00D516548S

(12) United States Design Patent

Corley et al.

(10) Patent No.: US D516,548 S
(45) Date of Patent: ** Mar. 7, 2006

(54) **HANDHELD COMMUNICATION DEVICE**

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

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

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

(21) Appl. No.: **29/217,476**

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

Related U.S. Application Data

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

(51) **LOC (8) Cl.** **14-03**
(52) **U.S. Cl.** **D14/247**; D14/455
(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
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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.
D237,622	S	11/1975	Oyama
3,967,273	A	6/1976	Knowlton
4,029,915	A	6/1977	Ojima
D249,345	S	9/1978	Oliveira et al.
D258,956	S	4/1981	Chadima, Jr.
D266,855	S	11/1982	Yoshioka et al.
4,449,839	A	5/1984	Bleuer
D278,059	S	3/1985	Desrochers
D278,341	S	4/1985	Scheid

(Continued)

FOREIGN PATENT DOCUMENTS

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

(Continued)

OTHER PUBLICATIONS

"Programmable Calculators: Hewlett–Packard HP–200LX," Viktor T. Toth, copyr. 2001, 2002, from web page at www.rskey.org/hp2001x.htm.
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.

(Continued)

Primary Examiner—Jeffrey Asch
(74) *Attorney, Agent, or Firm*—Jones Day

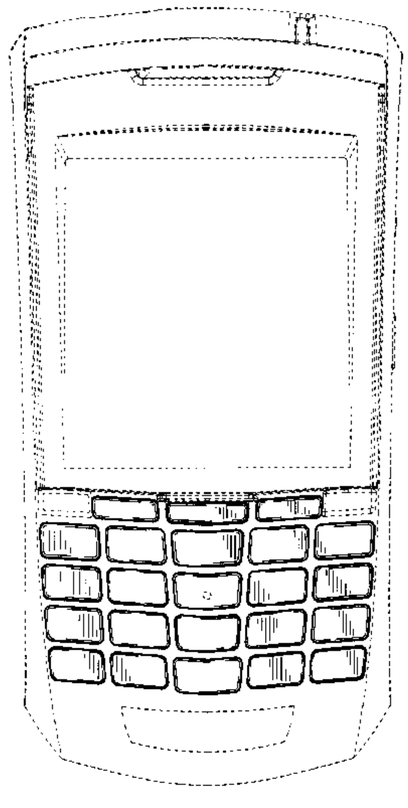
(57) **CLAIM**

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

DESCRIPTION

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 top view thereof;
FIG. **4** is a bottom view thereof;
FIG. **5** is a left side view thereof; and,
FIG. **6** is a right side view thereof.
The broken line showings of FIGS. **1–6** are for illustrative purposes only and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



U.S. PATENT DOCUMENTS

D291,201	S		8/1987	Weisel et al.
D293,241	S		12/1987	Wan et al.
D298,546	S		11/1988	Yoshioka et al.
D298,622	S		11/1988	Yubisui et al.
D299,251	S		1/1989	Enda et al.
D303,112	S		8/1989	Desrochers
D303,981	S		10/1989	Takemata et al.
D304,175	S		10/1989	Sakaguchi et al.
D304,718	S		11/1989	Sakaguchi et al.
D307,888	S		5/1990	Ishida
D307,890	S		5/1990	Kim
D309,729	S		8/1990	Tanabe
D312,628	S		12/1990	Yokoi et al.
D313,224	S		12/1990	Yokoi et al.
D313,401	S		1/1991	Tanabe
D313,413	S		1/1991	Langton
D319,433	S		8/1991	Pearce
5,059,048	A		10/1991	Sirkin
D330,543	S		10/1992	Tsuchida et al.
D332,604	S		1/1993	Miyake et al.
5,184,830	A		2/1993	Okada et al.
5,217,295	A		6/1993	Tortola et al.
D341,825	S		11/1993	Hamilton
5,288,158	A		2/1994	Matias
D348,654	S		7/1994	Branck et al.
5,336,001	A		8/1994	Lichtenberg
5,336,002	A		8/1994	Russo
5,337,346	A		8/1994	Uchikura
5,360,280	A		11/1994	Camacho et al.
5,367,298	A		11/1994	Axthelm
D356,563	S	*	3/1995	Berry D14/138
D357,253	S		4/1995	Wong
5,410,141	A		4/1995	Koenck et al.
5,410,333	A		4/1995	Conway
5,426,449	A		6/1995	Danziger
D359,920	S		7/1995	Sakamoto
5,436,954	A		7/1995	Nishiyama et al.
5,457,454	A		10/1995	Sugano
D367,043	S		2/1996	Ross et al.
5,497,151	A		3/1996	Dombroski
5,500,643	A		3/1996	Grant
D368,708	S		4/1996	Maynard et al.
5,543,787	A		8/1996	Karidis et al.
5,563,631	A		10/1996	Masunaga
5,575,576	A		11/1996	Roysden, Jr.
5,600,790	A		2/1997	Barnstijn et al.
5,606,712	A		2/1997	Hidaka
5,611,031	A		3/1997	Hertzfeld et al.
D381,021	S		7/1997	Williams et al.
D381,638	S		7/1997	Kruse et al.
5,659,307	A		8/1997	Karidis et al.
5,661,605	A		8/1997	Conway
D383,756	S		9/1997	Henderson et al.
5,664,896	A		9/1997	Blumberg
5,672,108	A		9/1997	Lam et al.
D385,855	S		11/1997	Ronzani
D386,497	S		11/1997	Huslig et al.
5,689,253	A		11/1997	Hargreaves et al.
5,700,097	A		12/1997	Kuhlenschmidt
D389,139	S		1/1998	Oross et al.
D389,465	S		1/1998	Heiman et al. D14/336
D390,509	S		2/1998	Antzinas et al.
5,737,394	A		4/1998	Anderson et al.
D396,215	S		7/1998	Inukai
5,786,776	A		7/1998	Kisaichi et al.
D397,369	S		8/1998	Rissman
5,790,103	A		8/1998	Willner
D397,679	S		9/1998	Hawkins et al.
D397,728	S		9/1998	Yuen et al.
D399,537	S		10/1998	Chi et al.
5,818,437	A		10/1998	Grover et al.
5,825,353	A		10/1998	Will
5,827,082	A		10/1998	Laine
5,841,374	A		11/1998	Abraham
D402,572	S		12/1998	Han
D403,362	S		12/1998	Fai
D403,667	S		1/1999	Musha
5,861,821	A		1/1999	Kato et al.
D406,839	S		3/1999	Forget
5,893,798	A		4/1999	Stambolic et al.
D409,185	S		5/1999	Kawashima
D409,601	S		5/1999	Wicks et al.
D411,528	S		6/1999	Tien
5,915,228	A		6/1999	Kunihiro et al.
5,920,308	A		7/1999	Kim
D413,325	S		8/1999	Lee D14/138
5,931,873	A		8/1999	Cisar
5,953,541	A		9/1999	King et al.
5,963,197	A		10/1999	Bacon et al.
5,974,238	A		10/1999	Chase, Jr.
D416,001	S		11/1999	Tal et al. D14/347
D416,253	S		11/1999	Hibino
D416,256	S		11/1999	Griffin et al.
5,982,520	A		11/1999	Weiser et al.
5,995,026	A		11/1999	Sellers
6,005,496	A		12/1999	Hargreaves et al.
6,006,351	A		12/1999	Peretz et al.
6,009,333	A		12/1999	Chaco
6,011,554	A		1/2000	King et al.
6,014,429	A		1/2000	LaPorta et al.
6,014,573	A		1/2000	Lehtonen et al.
D420,351	S		2/2000	Waldner
D421,019	S		2/2000	Curtis D14/247
D421,020	S	*	2/2000	Curtis D14/247
6,023,779	A		2/2000	Fullam et al.
D422,271	S		4/2000	Taylor et al. D14/240
D422,595	S		4/2000	Kawashima D14/343
6,047,047	A		4/2000	Aldridge et al.
6,047,196	A		4/2000	Makela et al.
6,049,796	A		4/2000	Siitonen et al.
6,052,070	A		4/2000	Kivela et al.
D425,056	S		5/2000	Edwards et al. D14/138
D425,057	S		5/2000	Finkbeiner D14/138
D425,887	S		5/2000	Edwards
6,084,576	A		7/2000	Leu et al.
6,091,956	A		7/2000	Hollenberg
6,094,197	A		7/2000	Buxton et al.
D429,226	S		8/2000	Siddoway et al.
6,102,594	A		8/2000	Strom
6,103,979	A		8/2000	Motoyama et al.
6,107,997	A		8/2000	Ure
D432,511	S		10/2000	Eckholm
D433,017	S		10/2000	Martinez
D433,460	S		11/2000	Griffin et al.
D434,016	S		11/2000	Hunt D14/138
D434,034	S		11/2000	Burke et al.
6,148,261	A		11/2000	Obradovich et al.
D434,739	S		12/2000	Hanna et al.
6,157,323	A		12/2000	Tso et al.
D435,844	S		1/2001	Yeh
D436,583	S		1/2001	Newby et al. D14/138
D436,591	S		1/2001	Abston et al.
D439,230	S		3/2001	Braxton et al. D14/138
D439,898	S		4/2001	Ober et al.
D440,562	S		4/2001	Gottliebe et al.
6,212,412	B1		4/2001	Rogers et al.
D441,357	S	*	5/2001	Kolinen D14/247
D441,733	S		5/2001	Do et al.
D442,156	S		5/2001	Lee
D442,173	S		5/2001	Wang et al.
D442,569	S		5/2001	Hanna et al.

D443,612	S		6/2001	Evers et al.				
6,243,789	B1		6/2001	Hasbun et al.				
D445,106	S		7/2001	Mosgrove et al.				
D446,526	S		8/2001	Evers et al.				
6,278,442	B1		8/2001	Griffin et al.				
D448,355	S		9/2001	Higashi et al.	D14/138			
6,286,064	B1		9/2001	King et al.				
6,295,052	B1		9/2001	Kato et al.				
D448,765	S		10/2001	Cohen et al.				
D449,595	S		10/2001	Park et al.				
D449,596	S		10/2001	Park et al.				
D449,604	S	*	10/2001	Colvin et al.	D14/345			
D449,830	S		10/2001	Vuolteeenaho et al.				
6,297,795	B1		10/2001	Kato et al.				
6,304,261	B1		10/2001	Shields et al.				
6,304,431	B1		10/2001	Kim				
6,307,548	B1		10/2001	Flinchem et al.				
6,307,549	B1		10/2001	King et al.				
6,310,609	B1		10/2001	Morgenthaler				
D451,079	S		11/2001	Ali				
D451,092	S		11/2001	Park et al.				
D451,502	S		12/2001	Vuolteeenaho et al.				
6,333,734	B1		12/2001	Rein				
D452,687	S		1/2002	Yeh				
D453,149	S		1/2002	Skoger et al.				
D453,158	S		1/2002	Chen				
D453,332	S		2/2002	Herath				
D454,348	S		3/2002	Yeh				
D454,349	S		3/2002	Makidera et al.				
D454,849	S		3/2002	Eckholm				
6,356,258	B1		3/2002	Kato et al.				
6,374,277	B2		4/2002	Vong et al.				
6,378,234	B1		4/2002	Luo				
D456,794	S		5/2002	Laverick et al.				
D456,804	S		5/2002	Fisher et al.				
D456,805	S		5/2002	Ono et al.				
D456,806	S		5/2002	Ahearn et al.				
6,385,463	B1		5/2002	Lieberman et al.				
6,396,482	B1		5/2002	Griffin et al.				
D458,239	S		6/2002	Shim et al.				
D459,327	S		6/2002	Ali				
D460,057	S		7/2002	Hunt	D14/138			
D460,068	S		7/2002	Lanzaro et al.				
D460,493	S		7/2002	Griffin et al.				
D461,803	S		8/2002	Griffin et al.				
D462,357	S		9/2002	Jenkins				
D463,421	S		9/2002	Lanzaro et al.				
D463,425	S		9/2002	Jenkins				
6,452,588	B2		9/2002	Griffin et al.				
D464,645	S		10/2002	O'Neil	D14/138			
D464,962	S		10/2002	MacGregor et al.				
D464,963	S		10/2002	Nishida				
D464,995	S		10/2002	Griffin et al.				
6,459,968	B1		10/2002	Kochie				
D465,219	S		11/2002	Tamaki et al.				
D466,116	S		11/2002	Bhatia et al.				
D466,877	S		12/2002	Hawkins et al.				
D466,878	S		12/2002	Porter	D14/138			
D467,235	S		12/2002	Hawkins et al.				
D467,918	S		12/2002	Fitch et al.				
6,489,950	B1		12/2002	Griffin et al.				
D468,307	S		1/2003	Chuang				
D468,714	S		1/2003	Maruska et al.				
D469,367	S		1/2003	Mirabelli et al.				
6,507,336	B1		1/2003	Lunsford				
D469,748	S		2/2003	Ribeiro et al.	D14/138			
D469,749	S		2/2003	Kim				
D470,137	S		2/2003	Everett et al.				
D470,150	S		2/2003	Lewis, Jr. et al.				
D470,842	S		2/2003	Bhatia et al.				
D470,843	S		2/2003	Horiki				
D471,904	S		3/2003	Majanen				
D472,225	S		3/2003	Griffin				
6,535,749	B1		3/2003	Iwata et al.				
6,538,651	B1		3/2003	Haymann et al.				
D472,551	S		4/2003	Griffin				
D473,226	S		4/2003	Griffin				
D474,166	S		5/2003	Burns et al.	D14/138			
D475,047	S		5/2003	Choi et al.	D14/346			
D475,998	S	*	6/2003	Salmi	D14/247			
D476,317	S		6/2003	Lehtonen				
D476,320	S		6/2003	Arbisi				
D476,330	S		6/2003	Ahearn et al.				
D476,647	S		7/2003	Lehtonen				
D476,983	S		7/2003	Salmi				
D476,984	S		7/2003	Salmi				
D476,985	S		7/2003	Griffin				
D477,506	S		7/2003	Hayes				
D477,596	S		7/2003	Hayes	D14/343			
6,597,345	B2		7/2003	Hirschberg				
D478,324	S		8/2003	O'Neil	D14/138			
D478,585	S		8/2003	Griffin				
D478,882	S		8/2003	Peng et al.	D14/138			
6,611,254	B1		8/2003	Griffin et al.				
D479,212	S		9/2003	Eckholm	D14/138			
D479,216	S		9/2003	Ho-Cheun et al.	D14/138			
D479,232	S		9/2003	Bruno et al.				
D479,233	S		9/2003	Griffin				
D480,057	S		9/2003	Ho-Cheun et al.	D14/138			
D480,697	S		10/2003	Lee et al.				
D480,722	S		10/2003	Griffin				
6,630,924	B1		10/2003	Peck				
6,647,367	B2		11/2003	McArthur et al.				
D484,477	S		12/2003	Salmi	D14/138			
D484,873	S		1/2004	Salmi				
D487,068	S		2/2004	Isaacs et al.	D14/138			
D487,438	S		3/2004	Sheu	D14/138			
D487,572	S		3/2004	Munstermann	D14/138			
6,703,963	B2		3/2004	Higginson				
D488,143	S		4/2004	Ting et al.	D14/138			
D488,787	S		4/2004	Jung	D14/138			
D488,789	S	*	4/2004	Lee	D14/138			
D489,368	S		5/2004	Yoneda et al.				
D489,717	S		5/2004	Hsieh				
D490,100	S	*	5/2004	Su et al.	D18/2			
D490,421	S		5/2004	Everett et al.				
D490,422	S		5/2004	Iwama et al.				
D491,172	S		6/2004	Sheu				
D491,543	S		6/2004	Chang et al.	D14/138			
D491,929	S		6/2004	Nuovo et al.				
D492,276	S		6/2004	Walliser et al.				
D492,296	S	*	6/2004	Arbisi	D14/247			
D492,305	S		6/2004	Choi et al.				
D492,306	S		6/2004	Martin et al.				
D492,657	S		7/2004	Jensfelt	D14/138			
D492,659	S		7/2004	Medeiros et al.	D14/138			
D492,660	S		7/2004	Kim et al.				
D492,681	S		7/2004	Ahearn et al.				
D493,436	S		7/2004	Okada et al.	D14/138			
D493,457	S		7/2004	Hsu				
6,765,556	B2		7/2004	Kandogan et al.				
D493,778	S		8/2004	Walliser et al.				
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	B2		9/2004	Blumberg	
D496,921	S		10/2004	Huang	
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	B2		10/2004	Bestle	
D497,892	S	*	11/2004	Peng	D14/138
D497,907	S	*	11/2004	Griffin	D14/346
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.	D14/248
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	B2	*	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
2005/0053225	A1	*	3/2005	Griffin	379/368

FOREIGN PATENT DOCUMENTS

EP	0732646	9/1996
EP	0760291	3/1997
EP	0882259	12/1998
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	DM/059367	* 3/2002
WO	DM/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

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

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

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.

"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.

"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–uist02/; 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

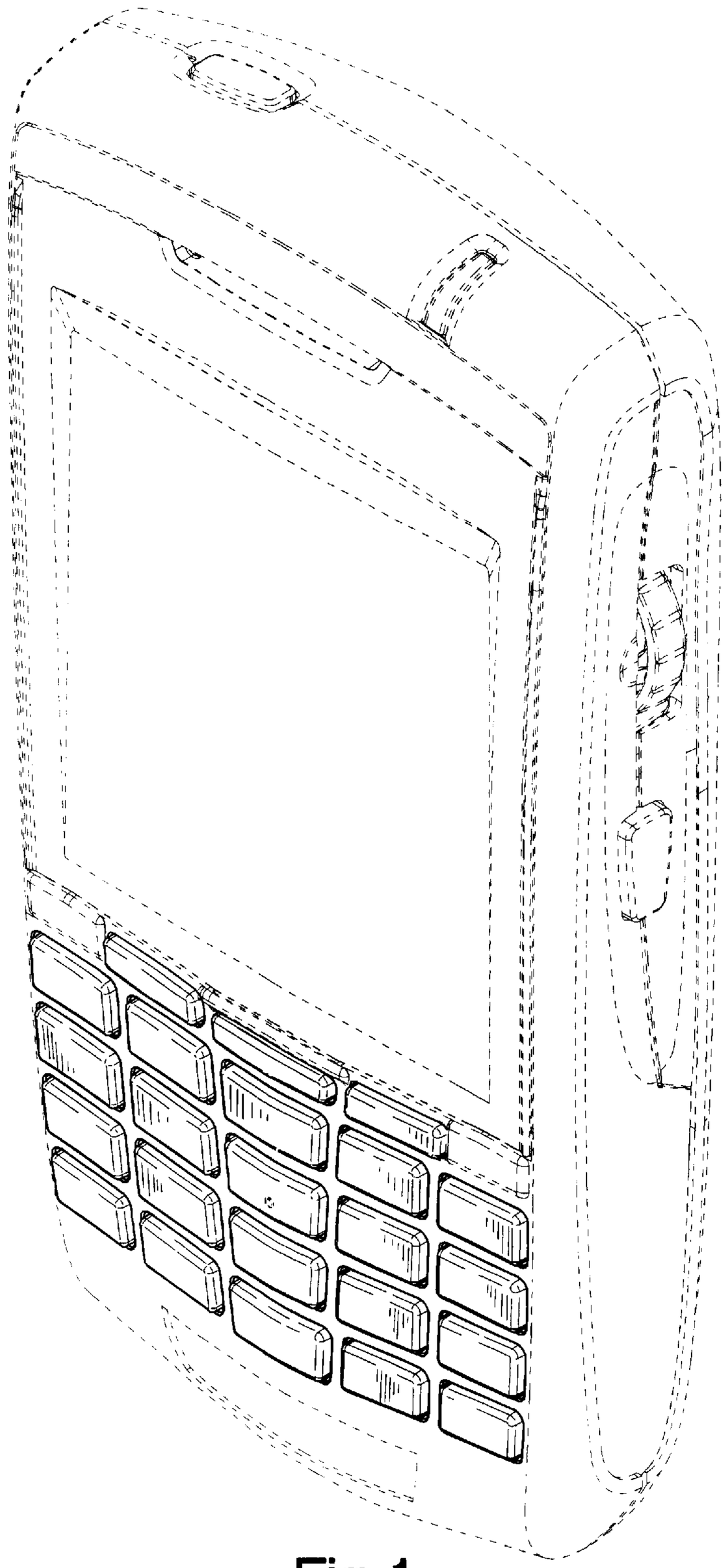


Fig. 1

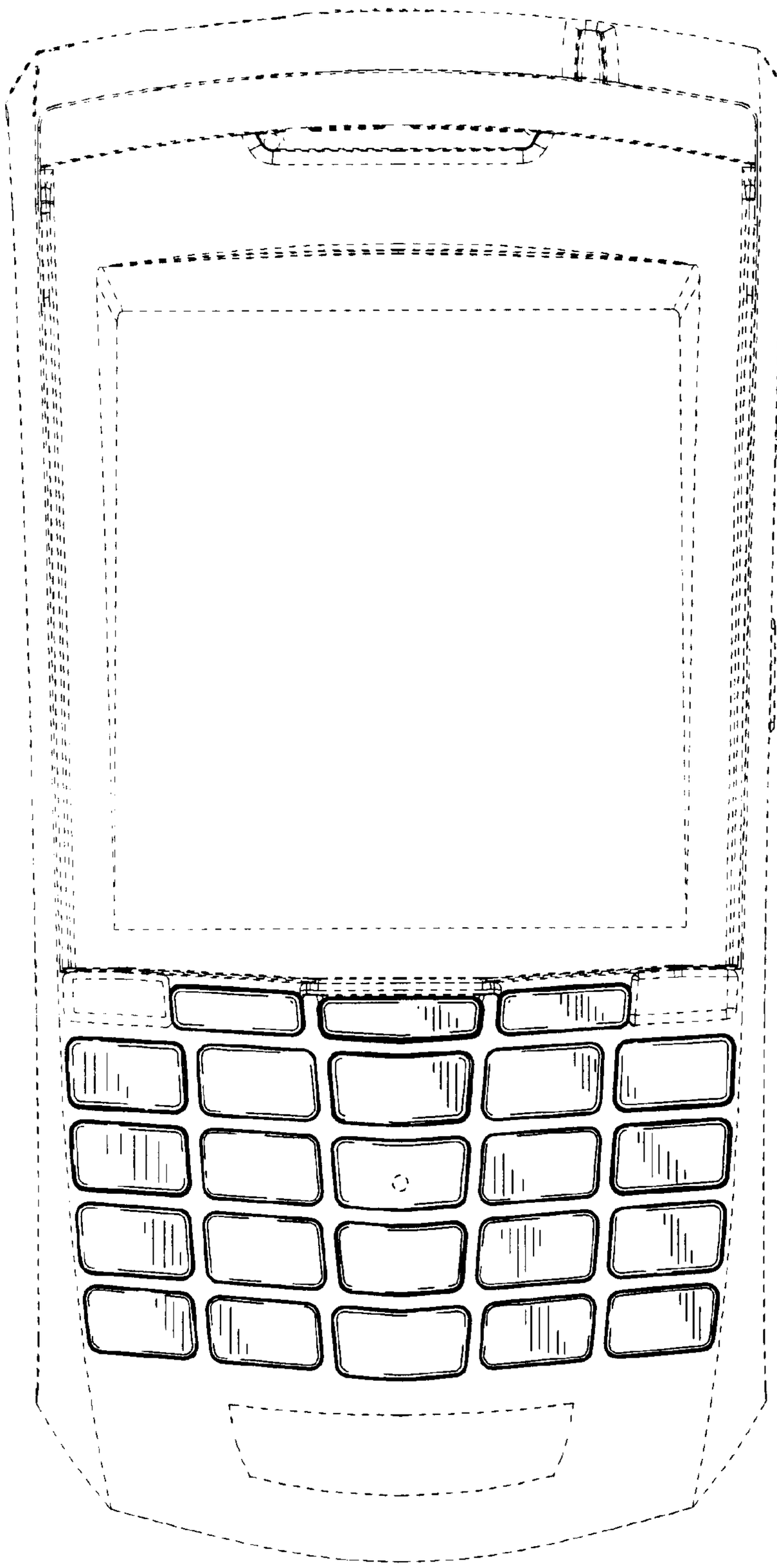


Fig.2

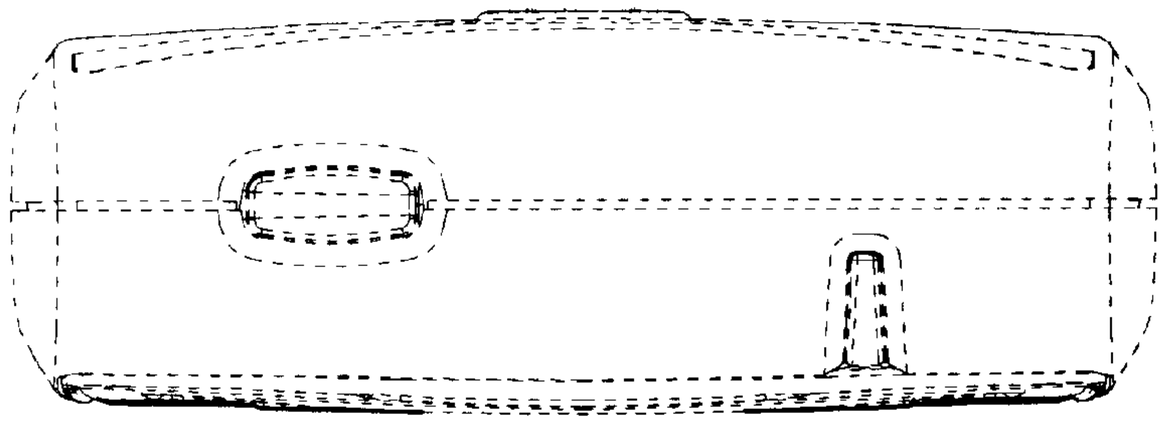


Fig. 3

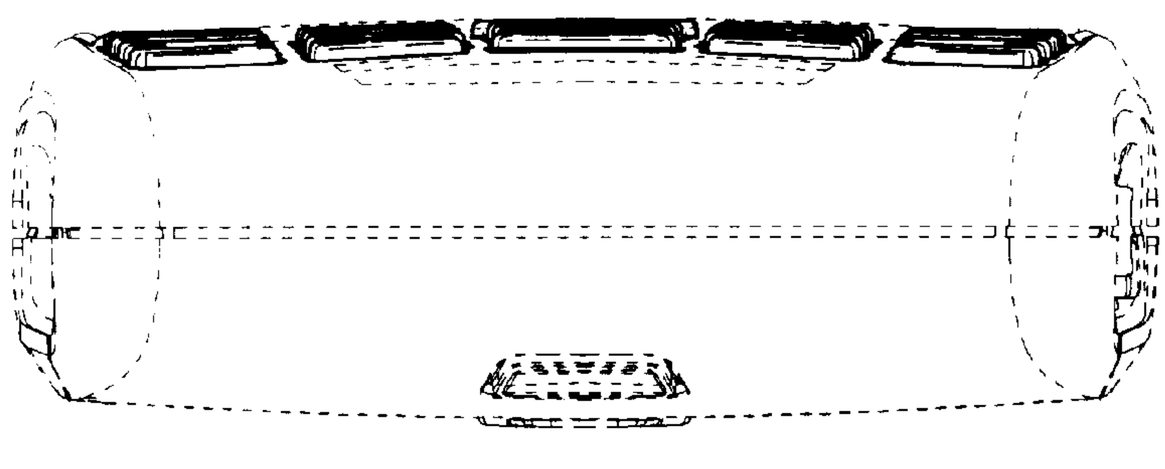


Fig. 4

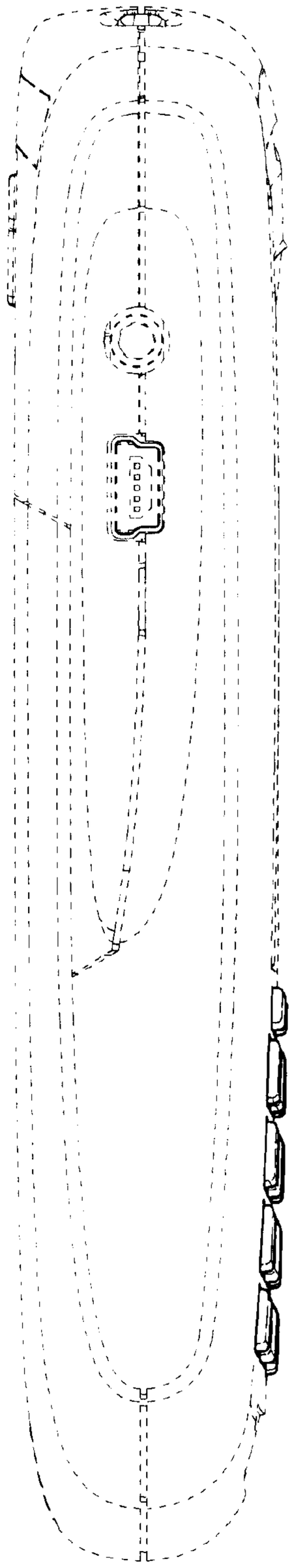


Fig. 5

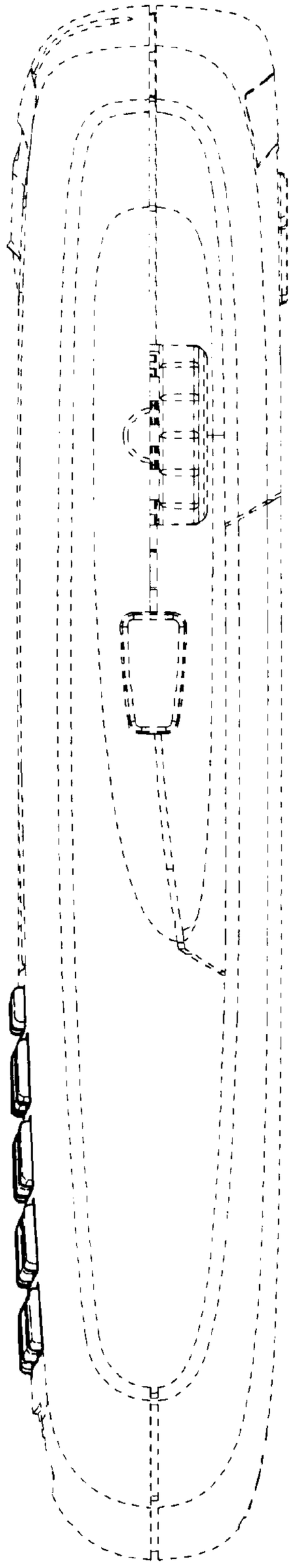


Fig. 6