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[54] PERSONAL COMMUNICATIONS UNIT DOCKING STATION

[75] Inventors: Steven F. Davidson, Skokie; Kim D. Vollendorf, Cary; Michael F. DiCicco, Carol Stream; David C. Brown; Christopher C. Gielow, both of Chicago; David J. Cottingham, Wilmette, all of Ill.

[73] Assignee: Northrop Grumman Corporation, Los Angeles, Calif.

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D. 393,260	4/1998	Yahaya	D14/137
D. 393,638	4/1998	Page et al.	D14/137
D. 412,162	7/1999	Tal et al.	D14/114
3,916,312	10/1975	Campbell	.....	325/16
3,917,372	11/1975	Selinko	.....	339/75
4,025,721	5/1977	Groupe et al.	.....	179/1 P
4,031,468	6/1977	Ziebell et al.	.....	325/312
4,052,568	10/1977	Jankowski	.....	179/15
4,156,797	5/1979	Hoole	.....	179/1
4,227,258	10/1980	Root et al.	.....	455/348
4,277,645	7/1981	May, Jr.	.....	179/1
4,325,142	4/1982	Nakazawa	.....	455/89
4,374,301	2/1983	Jrieder, Jr.	.....	179/1
4,417,102	11/1983	Allen	.....	364/513
4,484,344	11/1984	Mai et al.	.....	381/46
4,621,373	11/1986	Hodsdon	.....	455/89
4,625,083	11/1986	Poikela	.....	379/389
4,627,107	12/1986	Hohlfeld et al.	.....	455/11
4,654,882	3/1987	Ikeda	.....	455/88
4,682,367	7/1987	Childress et al.	.....	455/17
4,734,049	3/1988	George et al.	.....	439/259
4,754,484	6/1988	Larkin et al.	.....	379/430
4,761,823	8/1988	Fier	.....	455/89
4,882,746	11/1989	Shimada	.....	379/61
4,903,325	2/1990	Yoshitake et al.	.....	455/89
4,905,272	2/1990	Van de Mortel et al.	.....	379/62
4,955,050	9/1990	Yamauchi	.....	379/59
4,993,065	2/1991	Chiou	.....	379/430
5,020,090	5/1991	Morris	.....	379/58

[56] References Cited

U.S. PATENT DOCUMENTS

D. 265,402	7/1982	Fukushima et al.	.....	D14/68
D. 267,249	12/1982	Fukushima et al.	.....	D14/68
D. 298,242	10/1988	Watanabe	.....	D14/64
D. 309,136	7/1990	Siddoway	.....	D14/137
D. 339,128	9/1993	Claxton et al.	.....	D14/138
D. 344,261	2/1994	Watanabe	.....	D13/107
D. 344,708	3/1994	Ho	.....	D13/108
D. 362,004	9/1995	Nakano et al.	.....	D14/253
D. 362,663	9/1995	Nguyen	.....	D14/107
D. 368,711	4/1996	Wicks et al.	.....	D14/138
D. 378,678	4/1997	Tyneski et al.	.....	D14/137
D. 378,816	4/1997	Hino	.....	D14/138
D. 383,745	9/1997	Lindeman et al.	.....	D14/137
D. 384,059	9/1997	Hockenberry et al.	.....	D14/137
D. 385,269	10/1997	Kim	.....	D14/137
D. 385,270	10/1997	Yahaya	.....	D14/137
D. 385,283	10/1997	Synder et al.	.....	D14/253
D. 389,159	1/1998	Patterson et al.	.....	D14/253

(List continued on next page.)

Primary Examiner—Jeffrey Asch
Attorney, Agent, or Firm—Terry J. Anderson; Karl J. Hoch, Jr.

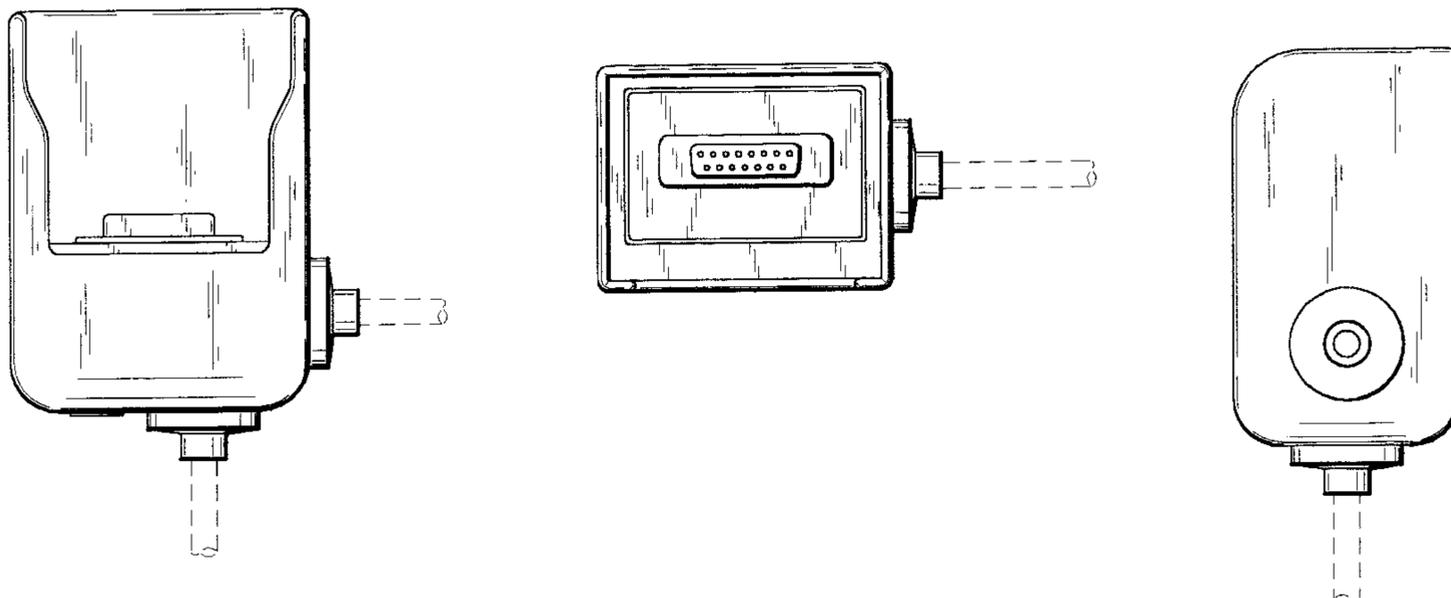
[57] CLAIM

The ornamental design for a personal communications unit docking station, as shown and described.

DESCRIPTION

FIG. 1 is a front view of the invention;
FIG. 2 is a top view of the invention;
FIG. 3 is a side view of the invention;
FIG. 4 is an opposite side view of the invention;
FIG. 5 is a bottom view of the invention; and,
FIG. 6 is a rear view of the invention.

1 Claim, 1 Drawing Sheet



U.S. PATENT DOCUMENTS

5,023,936	6/1991	Szczutkowski et al.	455/90	5,471,503	11/1995	Altamier et al.	375/202
5,038,400	8/1991	Baracat et al.	455/90	5,481,591	1/1996	Suzuki	379/58
5,081,641	1/1992	Kotzin et al.	375/1	5,487,175	1/1996	Bayley et al.	455/54.2
5,121,391	6/1992	Paneth et al.	370/95.1	5,493,703	2/1996	Yamashita	455/89
5,121,504	6/1992	Toko	455/90	5,504,803	4/1996	Yamada et al.	379/59
5,128,959	7/1992	Bruckert	375/1	5,506,887	4/1996	Emery et al.	379/58
5,133,001	7/1992	Bohm	379/58	5,509,053	4/1996	Gowda et al.	379/63
5,140,628	8/1992	Murata et al.	379/61	5,509,406	4/1996	Kock et al.	128/203.14
5,170,494	12/1992	Levanto	455/90	5,513,248	4/1996	Evans et al.	379/61
5,189,358	2/1993	Tomura et al.	320/2	5,519,763	5/1996	Namekawa et al.	379/61
5,191,593	3/1993	McDonald et al.	375/1	5,533,097	7/1996	Cran et al.	379/58
5,193,217	3/1993	Lunn et al.	455/79	5,535,274	7/1996	Bratberg et al.	379/454 X
5,230,016	7/1993	Yasuda	379/58	5,555,448	9/1996	Thiede et al.	455/89
5,230,080	7/1993	Fabre et al.	455/15	5,568,536	10/1996	Tiller et al.	379/58
5,247,567	9/1993	Hirano	379/61	5,574,775	11/1996	Miller, II et al.	379/60
5,255,308	10/1993	Hashimoto et al.	379/61	5,579,535	11/1996	Orlen et al.	455/33.1
5,259,017	11/1993	Langmantel	379/58	5,590,406	12/1996	Bayley et al.	455/54.2
5,259,020	11/1993	Hirano	379/61	5,590,417	12/1996	Rydbeck	455/89
5,261,121	11/1993	Hashimoto	455/89	5,594,777	1/1997	Makkonen et al.	379/58
5,263,047	11/1993	Kotzin et al.	375/1	5,594,952	1/1997	Virtuoso et al.	455/89
5,265,150	11/1993	Helmkamp et al.	379/58	5,596,333	1/1997	Bruckert	342/457
5,274,634	12/1993	Babiarz	370/60	5,602,843	2/1997	Gray	370/338
5,276,680	1/1994	Messenger	370/85.1	5,603,081	2/1997	Raith et al.	455/33.1
5,276,765	1/1994	Freeman et al.	395/2	5,606,560	2/1997	Malek et al.	370/347
5,283,806	2/1994	Dartois et al.	375/1	5,610,972	3/1997	Emery et al.	379/58
5,283,817	2/1994	Hara et al.	379/61	5,619,493	4/1997	Ritz et al.	370/330
5,293,588	3/1994	Satoh et al.	395/2.42	5,619,553	4/1997	Young et al.	379/61
5,297,142	3/1994	Paggeot et al.	370/85.6	5,625,673	4/1997	Grewe et al.	379/61
5,305,467	4/1994	Herndon et al.	455/56.1	5,625,877	4/1997	Dunn et al.	455/34.1
5,325,419	6/1994	Connolly et al.	379/60	5,633,911	5/1997	Han et al.	379/58
5,353,331	10/1994	Emery et al.	379/58	5,640,689	6/1997	Rossi	455/89
5,365,572	11/1994	Saegusa et al.	379/61	5,644,621	7/1997	Yamashita et al.	455/463
5,390,233	2/1995	Jensen et al.	379/58	5,649,055	7/1997	Gupta et al.	395/2.42
5,406,615	4/1995	Miller, II et al.	379/59	5,657,375	8/1997	Connolly et al.	455/436
5,408,496	4/1995	Ritz et al.	375/202	5,657,422	8/1997	Janiszewski et al.	395/2.37
5,410,632	4/1995	Hong et al.	395/2.42	5,659,594	8/1997	Toda et al.	455/552
5,410,737	4/1995	Jones	455/56.1	5,659,882	8/1997	Fukutomi	455/524
5,416,828	5/1995	Hiramatsu et al.	379/58	5,659,890	8/1997	Hidaka	455/575
5,440,613	8/1995	Fuentes	379/60	5,664,005	9/1997	Emery et al.	455/422
5,442,659	8/1995	Bauchot et al.	375/202	5,675,629	10/1997	Raffel et al.	379/58
5,446,769	8/1995	Shaver et al.	375/202	5,736,830	4/1998	Weng	320/111 X
5,448,757	9/1995	Hirata	455/43	5,774,793	6/1998	Cooper et al.	455/89
5,459,814	10/1995	Gupta et al.	395/2.42	5,790,661	8/1998	Patterson	379/455 X
5,465,401	11/1995	Thompson	455/89	5,825,874	10/1998	Humphrey's et al.	379/446
5,469,496	11/1995	Emery et al.	379/58	5,898,775	4/1999	Niemo et al.	379/446

Fig. 2

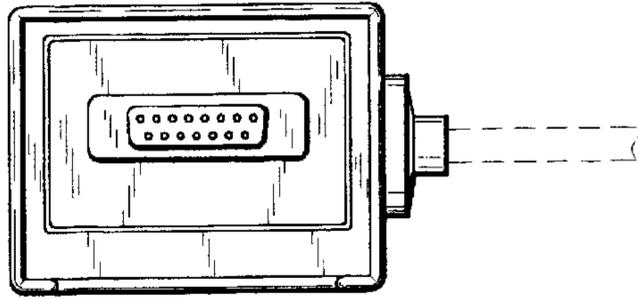


Fig. 3

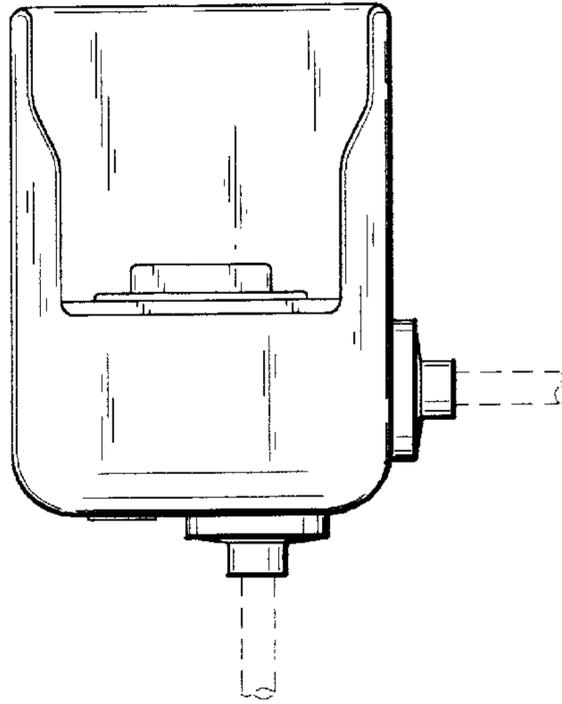


Fig. 1

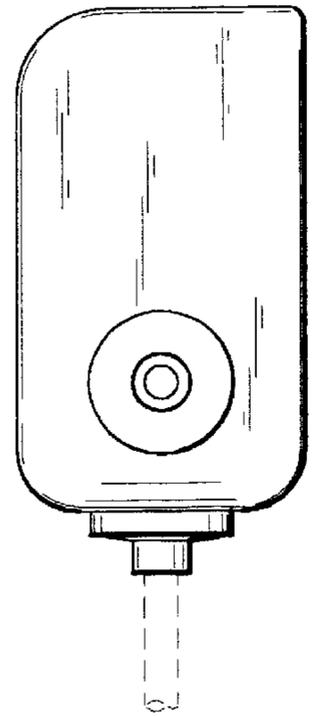


Fig. 4

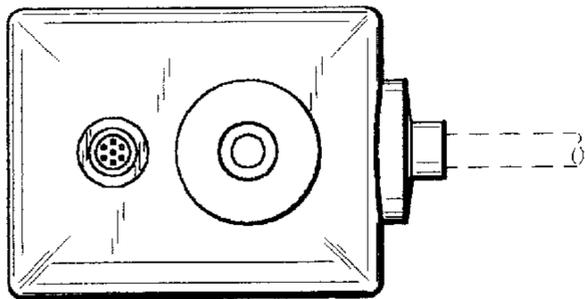


Fig. 5

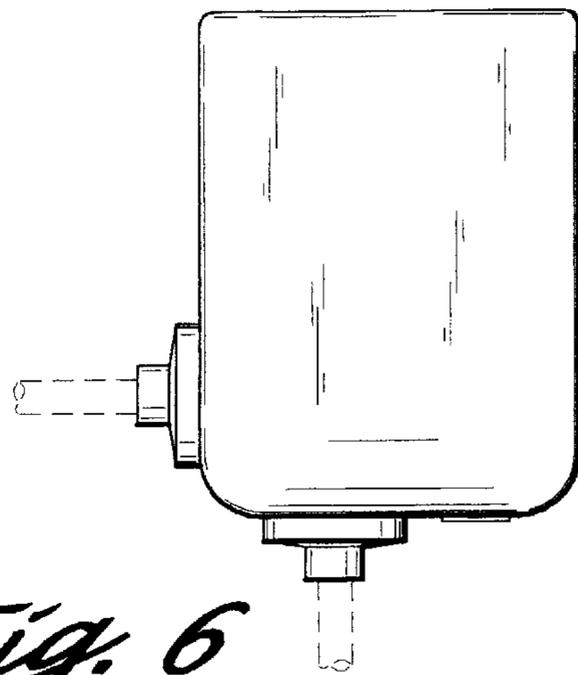


Fig. 6