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Wahl et al.

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- (54) **BODY-WORN MOBILE DEVICE**
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- (73) Assignee: **Vocollect Healthcare Systems, Inc.**, Pittsburgh, PA (US)
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- (58) **Field of Classification Search** D14/496,
D14/155, 159.358, 137, 138, 203.1-203.8;
D19/60, 61-64; 273/148 B; 463/39, 40,
463/46, 47; 434/81, 107-109, 112, 118,
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- See application file for complete search history.

- 3,781,039 A 12/1973 Edwards et al.
3,808,577 A 4/1974 Mathauser
3,873,757 A 3/1975 Berke et al.

(Continued)

FOREIGN PATENT DOCUMENTS

DE 4138886 4/1993

(Continued)

OTHER PUBLICATIONS

10 photographs of previous Vocollect terminal.

(Continued)

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(57) **CLAIM**

The ornamental design for a body-worn mobile device, as shown and described.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,483,315 A 2/1924 Saal
1,753,317 A 4/1930 Rothen
2,170,287 A 8/1939 Kinnebrew
D130,619 S 12/1941 Kendall. et al.
2,369,860 A 2/1945 Schroeder
D153,112 S 3/1949 Braun et al.
2,506,524 A 5/1950 Stuck
2,782,423 A 2/1957 Eli et al.
2,958,769 A 11/1960 Bounds
3,087,028 A 4/1963 Ernest
D196,654 S 10/1963 Van Den Berg
D206,122 S 11/1966 Bradbury et al.
D206,665 S 1/1967 Sanzone
3,327,807 A 6/1967 Mullin
3,363,214 A 1/1968 Wright
D212,863 S 12/1968 Roberts
D215,545 S 10/1969 Huska
3,654,406 A 4/1972 Reinthaler
3,682,268 A 8/1972 Gorike

DESCRIPTION

FIG. 1 is a front perspective view of a body-worn mobile device showing our new design coupled to a peripheral device in broken lines;

FIG. 2 is an enlarged perspective view of the invention of FIG. 1;

FIG. 3 is a front elevational view of FIG. 2;

FIG. 4 is a rear elevational view of FIG. 2;

FIG. 5 is a left side elevational view of FIG. 2;

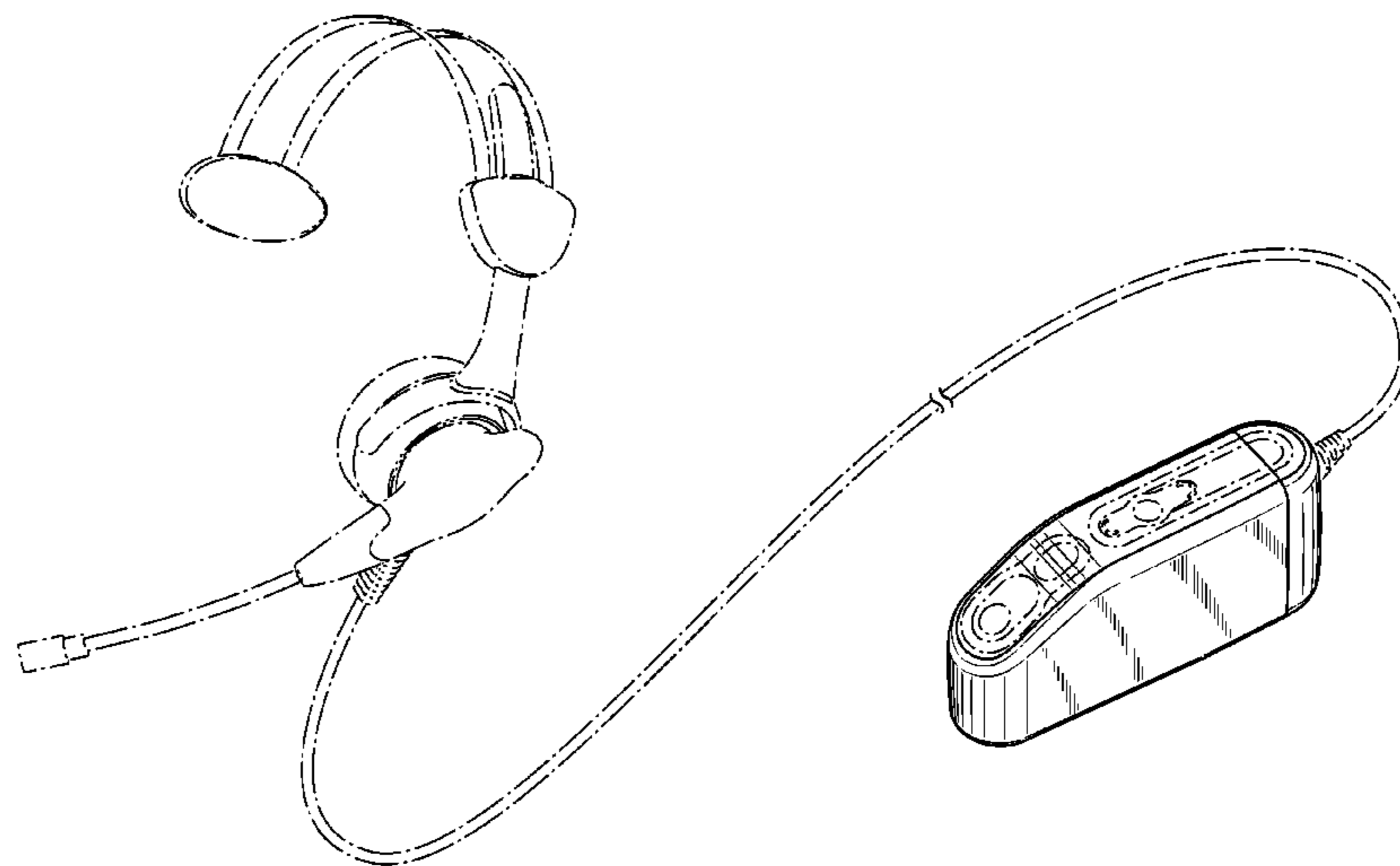
FIG. 6 is a right side elevational view of FIG. 2;

FIG. 7 is a top view of FIG. 2; and,

FIG. 8 is a bottom view of FIG. 2.

Any elements shown in dash-dot broken lines form no part of the claimed invention in this Application, and are instead included to show environmental aspects of the claimed invention.

1 Claim, 3 Drawing Sheets



US D643,400 S

U.S. PATENT DOCUMENTS							
3,969,796	A	7/1976	Hodsdon et al.	5,347,477	A	9/1994	Lee
3,971,900	A	7/1976	Foley	D351,841	S	10/1994	Blankenship et al.
3,971,901	A	7/1976	Foley	5,357,596	A	10/1994	Takebayashi et al.
3,984,885	A	10/1976	Yoshimura et al.	5,365,050	A	11/1994	Worthington et al.
4,018,599	A	4/1977	Hill et al.	5,365,434	A	11/1994	Figliuzzi
4,024,368	A	5/1977	Shattuck	5,369,857	A	12/1994	Sacherman et al.
4,031,295	A	6/1977	Rigazio	5,371,679	A	12/1994	Abe et al.
4,039,765	A	8/1977	Tichy	5,381,486	A	1/1995	Ludeke
4,068,913	A	1/1978	Stanger	5,386,494	A	1/1995	White
4,138,598	A	2/1979	Cech	5,389,917	A	2/1995	LaManna
4,189,788	A	2/1980	Schenke et al.	5,393,239	A	2/1995	Ursich
4,213,253	A	7/1980	Gudelis	5,399,102	A	3/1995	Devine
RE30,662	E	6/1981	Foley	5,406,037	A	4/1995	Nageno et al.
4,302,635	A	11/1981	Jacobsen et al.	5,410,141	A	4/1995	Koenck et al.
D265,989	S	8/1982	Harris	5,432,510	A	7/1995	Matthews
D268,675	S	4/1983	Hass	5,438,626	A	8/1995	Neuman et al.
4,418,248	A	11/1983	Mathis	5,438,698	A	8/1995	Burton et al.
4,471,496	A	9/1984	Gardner et al.	5,446,788	A	8/1995	Lucey et al.
4,472,607	A	9/1984	Houng	5,456,611	A	10/1995	Henry
4,495,646	A	1/1985	Gharachorloo	5,462,452	A	10/1995	Devine
4,499,593	A	2/1985	Antle	5,469,505	A	11/1995	Gathey et al.
4,619,491	A	10/1986	Drogo	5,478,252	A	12/1995	Lecomte
4,620,760	A	11/1986	Duncan	5,479,001	A	12/1995	Kumar
4,634,816	A	1/1987	O'Malley et al.	5,480,313	A	1/1996	d'Alayer de Costemore d'Arc
4,649,332	A	3/1987	Bell	5,481,645	A	1/1996	Bertino
4,672,672	A	6/1987	Eggert et al.	D367,256	S	2/1996	Tokunaga
4,689,822	A	8/1987	Huang et al.	5,491,651	A	2/1996	Janik
4,698,717	A	10/1987	Scheid	5,501,571	A	3/1996	Van Durrett et al.
4,739,328	A	4/1988	Koelle et al.	5,504,485	A	4/1996	Landt et al.
D299,129	S	12/1988	Wiegel	5,510,795	A	4/1996	Koelle
4,811,243	A	3/1989	Racine	5,514,861	A	5/1996	Swartz et al.
4,821,318	A	4/1989	Wu	5,515,303	A	5/1996	Cargin et al.
D301,145	S	5/1989	Besasio et al.	5,521,601	A	5/1996	Kandlur
4,845,650	A	7/1989	Meade et al.	5,535,437	A	7/1996	Karl et al.
4,846,714	A	7/1989	Welsby et al.	5,550,547	A	8/1996	Chan et al.
4,864,158	A	9/1989	Koelle et al.	5,553,312	A	9/1996	Gathey et al.
4,874,316	A	10/1989	Kamon et al.	5,555,490	A	9/1996	Carroll
4,875,233	A	10/1989	Derhaag et al.	5,555,554	A	9/1996	Hofer
4,888,591	A	12/1989	Landt et al.	5,572,401	A	11/1996	Carroll
4,907,266	A	3/1990	Chen	5,579,400	A	11/1996	Ballein
4,914,704	A	4/1990	Cole et al.	D376,598	S	12/1996	Hayashi
4,952,024	A	8/1990	Gale	5,581,492	A	12/1996	Janik
D313,092	S	12/1990	Nilsson	5,604,050	A	2/1997	Brunette et al.
4,999,636	A	3/1991	Landt et al.	5,607,792	A	3/1997	Garcia et al.
5,003,589	A	3/1991	Chen	5,610,387	A	3/1997	Bard et al.
5,010,495	A	4/1991	Willetts	D379,456	S	5/1997	Osiecki
5,012,511	A	4/1991	Hanle	D380,199	S	6/1997	Beruscha
5,018,599	A	5/1991	Dohi et al.	5,637,417	A	6/1997	Engmark et al.
5,023,824	A	6/1991	Chadima et al.	5,639,256	A	6/1997	Endo et al.
5,024,604	A	6/1991	Savin	D384,072	S	9/1997	Ng
D318,670	S	7/1991	Taniguchi	5,665,485	A	9/1997	Kuwayama et al.
5,028,083	A	7/1991	Mischenko	5,671,037	A	9/1997	Ogasawara et al.
5,030,807	A	7/1991	Landt et al.	5,673,037	A	9/1997	Cesar et al.
5,055,659	A	10/1991	Hendrick et al.	D385,263	S	10/1997	Taylor
5,056,161	A	10/1991	Breen	D385,540	S	10/1997	Taylor
D321,879	S	11/1991	Emmerling	D385,541	S	10/1997	Taylor
5,063,600	A	11/1991	Norwood	5,677,834	A	10/1997	Mooneyham
D326,655	S	6/1992	Iribe	5,680,465	A	10/1997	Boyden
5,148,155	A	9/1992	Martin et al.	D385,855	S	11/1997	Ronzani
5,155,659	A	10/1992	Kunert	D387,898	S	12/1997	Ronzani
D330,704	S	11/1992	Wagner	5,698,834	A	12/1997	Worthington et al.
5,177,784	A	1/1993	Hu	D390,552	S	2/1998	Ronzani
5,179,736	A	1/1993	Scanlon	D391,234	S	2/1998	Chacon et al.
D334,043	S	3/1993	Taniguchi et al.	5,716,730	A	2/1998	Deguchi
5,197,332	A	3/1993	Shennib	5,719,743	A	2/1998	Jenkins et al.
5,202,197	A	4/1993	Ansell et al.	5,719,744	A	2/1998	Jenkins et al.
5,208,449	A	5/1993	Eastman et al.	D391,953	S	3/1998	Copeland
5,225,293	A	7/1993	Mitchell et al.	5,729,697	A	3/1998	Schkolnick et al.
5,241,488	A	8/1993	Chadima	D394,436	S	5/1998	Hall et al.
5,251,105	A	10/1993	Kobayashi et al.	5,748,841	A	5/1998	Morin et al.
D341,567	S	11/1993	Acker	5,757,339	A	5/1998	Williams et al.
5,267,181	A	11/1993	George	5,762,512	A	6/1998	Trant et al.
5,280,159	A	1/1994	Schultz	5,763,867	A	6/1998	Main et al.
5,281,957	A	1/1994	Schoolman	5,766,794	A	6/1998	Brunette et al.
D344,494	S	2/1994	Cardenas	5,774,096	A	6/1998	Usuki et al.
D344,522	S	2/1994	Taniguchi	5,777,561	A	7/1998	Chieu et al.
5,305,244	A	4/1994	Newman et al.	5,781,644	A	7/1998	Chang
5,309,359	A	5/1994	Katz	5,787,361	A	7/1998	Chen
				5,793,878	A	8/1998	Chang

US D643,400 S

D398,899	S	9/1998	Chaco	6,091,546	A	7/2000	Spitzer
5,803,750	A	9/1998	Purinton et al.	D430,158	S	8/2000	Bhatia et al.
5,812,977	A	9/1998	Douglas	D430,159	S	8/2000	Bhatia et al.
5,825,045	A	10/1998	Koenck et al.	6,097,301	A	8/2000	Tuttle
5,828,693	A	10/1998	Mays et al.	6,101,260	A	8/2000	Jensen et al.
D400,848	S	11/1998	Clark et al.	6,104,281	A	8/2000	Heinrich et al.
5,832,098	A	11/1998	Chen	6,109,526	A	8/2000	Ohanian et al.
5,832,430	A	11/1998	Lleida et al.	D430,882	S	9/2000	Tsai
5,839,104	A	11/1998	Miller et al.	6,114,625	A	9/2000	Hughes et al.
5,841,630	A	11/1998	Seto et al.	6,120,932	A	9/2000	Slipy et al.
5,841,859	A	11/1998	Chen	6,122,329	A	9/2000	Zai
5,844,824	A	12/1998	Newman et al.	D431,562	S	10/2000	Bhatia et al.
5,850,181	A	12/1998	Heinrich et al.	6,127,990	A	10/2000	Zwern
5,850,187	A	12/1998	Carrender et al.	6,127,999	A	10/2000	Mizutani
5,856,038	A	1/1999	Mason	6,136,467	A	10/2000	Phelps et al.
5,857,148	A	1/1999	Weissshappel et al.	6,137,686	A	10/2000	Saye
5,862,241	A	1/1999	Nelson	6,137,868	A	10/2000	Leach
D406,098	S	2/1999	Walter et al.	6,137,879	A	10/2000	Papadopoulos et al.
5,869,204	A	2/1999	Kottke et al.	6,149,451	A	11/2000	Weber
5,873,070	A	2/1999	Bunte et al.	6,154,669	A	11/2000	Hunter et al.
D406,575	S	3/1999	Michael et al.	D434,762	S	12/2000	Ikenaga
5,884,265	A	3/1999	Squitteri	6,157,533	A	12/2000	Sallam et al.
5,890,074	A	3/1999	Rydbeck et al.	6,160,702	A	12/2000	Lee et al.
5,890,123	A	3/1999	Brown et al.	6,164,853	A	12/2000	Foote
D408,783	S	4/1999	Lucaci et al.	6,167,413	A	12/2000	Daley
5,892,813	A	4/1999	Morin et al.	D436,104	S	1/2001	Bhatia et al.
5,895,729	A	4/1999	Phelps et al.	D436,349	S	1/2001	Kim
D409,137	S	5/1999	Sumita	6,171,138	B1	1/2001	Lefebvre et al.
5,903,870	A	5/1999	Kaufman	6,172,596	B1	1/2001	Cesar et al.
5,905,632	A	5/1999	Seto et al.	6,173,266	B1	1/2001	Marx et al.
D410,466	S	6/1999	Mouri	6,179,192	B1	1/2001	Weinger et al.
D410,921	S	6/1999	Luchs et al.	6,185,535	B1	2/2001	Hedin et al.
D411,179	S	6/1999	Toyosato	6,188,985	B1	2/2001	Thrift
5,909,667	A	6/1999	Leontiades et al.	6,190,795	B1	2/2001	Daley
5,912,632	A	6/1999	Dieska et al.	6,195,053	B1	2/2001	Kodukula
5,931,513	A	8/1999	Conti	6,199,044	B1	3/2001	Ackley et al.
5,933,330	A	8/1999	Beutler et al.	6,204,765	B1	3/2001	Brady et al.
5,934,911	A	8/1999	Stout et al.	D440,966	S	4/2001	Ronzani
5,935,729	A	8/1999	Mareno et al.	6,225,777	B1	5/2001	Garcia et al.
5,941,726	A	8/1999	Koegel	6,226,622	B1	5/2001	Dabbiere
5,941,729	A	8/1999	Sri-Jayantha	6,229,694	B1	5/2001	Kono
5,942,987	A	8/1999	Heinrich et al.	6,230,029	B1	5/2001	Hahn et al.
5,945,235	A	8/1999	Clanton et al.	6,233,559	B1	5/2001	Balakrishnan
D413,582	S	9/1999	Tompkins	6,233,560	B1	5/2001	Tannenbaum
D414,470	S	9/1999	Chacon	6,235,420	B1	5/2001	Ng
5,950,167	A	9/1999	Yaker	6,237,051	B1	5/2001	Collins
5,956,675	A	9/1999	Setlur et al.	D443,870	S	6/2001	Carpenter et al.
5,962,837	A	10/1999	Main et al.	6,243,682	B1	6/2001	Eghtesadi et al.
5,966,082	A	10/1999	Cofino et al.	6,246,989	B1	6/2001	Polcyn
5,974,384	A	10/1999	Yasuda	6,261,715	B1	7/2001	Nakamura et al.
D416,263	S	11/1999	Kuczyk et al.	6,266,641	B1	7/2001	Takaya
5,984,709	A	11/1999	Zink et al.	D448,027	S	9/2001	Jones et al.
5,991,085	A	11/1999	Rallison et al.	6,286,763	B1	9/2001	Reynolds et al.
5,991,726	A	11/1999	Immarco et al.	D449,289	S	10/2001	Weikel et al.
5,993,246	A	11/1999	Moldenhauer	6,302,454	B1	10/2001	Tsurumaru et al.
5,995,019	A	11/1999	Chieu et al.	6,304,430	B1	10/2001	Laine
5,999,085	A	12/1999	Szwarc et al.	6,304,436	B1	10/2001	Branch et al.
6,012,030	A	1/2000	French-St. George et al.	6,304,459	B1	10/2001	Toyosato et al.
6,016,347	A	1/2000	Magnasco et al.	6,310,888	B1	10/2001	Hamlin
D420,674	S	2/2000	Powell	6,318,636	B1	11/2001	Reynolds et al.
6,021,207	A	2/2000	Puthuff et al.	6,321,198	B1	11/2001	Hank et al.
6,022,237	A	2/2000	Esh	6,324,053	B1	11/2001	Kamijo
6,032,127	A	2/2000	Schkolnick et al.	D451,903	S	12/2001	Amae et al.
6,036,093	A	3/2000	Schultz	D451,907	S	12/2001	Amae et al.
6,044,347	A	3/2000	Abella et al.	D451,919	S	12/2001	Abboud
D422,962	S	4/2000	Shevlin et al.	6,325,507	B1	12/2001	Jannard
6,051,334	A	4/2000	Tsurumaru et al.	6,326,543	B1	12/2001	Lamp et al.
D424,035	S	5/2000	Steiner et al.	6,327,152	B1	12/2001	Saye
D424,577	S	5/2000	Backs et al.	6,339,764	B1	1/2002	Livesay et al.
6,056,199	A	5/2000	Wiklof et al.	6,349,001	B1	2/2002	Spitzer
6,060,193	A	5/2000	Remes et al.	D454,468	S	3/2002	Mano
6,062,891	A	5/2000	Villiers	D454,873	S	3/2002	Clark et al.
D426,529	S	6/2000	Lohrding	6,353,313	B1	3/2002	Estep
6,071,640	A	6/2000	Robertson et al.	6,356,635	B1	3/2002	Lyman et al.
6,075,857	A	6/2000	Doss et al.	6,357,534	B1	3/2002	Buetow et al.
6,078,251	A	6/2000	Landt et al.	6,357,662	B1	3/2002	Helton et al.
6,078,825	A	6/2000	Hahn et al.	6,359,603	B1	3/2002	Zwern
6,084,556	A	7/2000	Zwern	6,359,777	B1	3/2002	Newman
6,085,428	A	7/2000	Casby et al.	6,359,995	B1	3/2002	Ou

US D643,400 S

6,364,675 B1	4/2002	Brauer et al.	
6,369,952 B1	4/2002	Rallison et al.	
6,371,535 B2	4/2002	Wei et al.	
6,373,693 B1	4/2002	Seto et al.	
6,373,942 B1	4/2002	Braund	
6,374,126 B1	4/2002	MacDonald, Jr. et al.	
6,376,942 B1	4/2002	Burger et al.	
D457,133 S	5/2002	Yoneyama	
6,384,591 B1	5/2002	Estep	
6,384,712 B1	5/2002	Goldman	
6,384,982 B1	5/2002	Spitzer	
6,386,107 B1	5/2002	Rancourt	
6,394,278 B1	5/2002	Reed	
6,404,325 B1	6/2002	Heinrich	
6,422,476 B1	7/2002	Ackley	
6,424,357 B1	7/2002	Frulla	
6,429,775 B1	8/2002	Martinez et al.	
6,434,251 B1	8/2002	Jensen et al.	
6,434,526 B1	8/2002	Cilurzo	
6,438,523 B1	8/2002	Oberteuffer et al.	
6,445,175 B1	9/2002	Estep	
6,454,608 B1	9/2002	Kitahara et al.	
D463,784 S	10/2002	Taylor et al.	
6,486,769 B1	11/2002	McLean	
D466,497 S	12/2002	Wikel et al.	
D467,592 S	12/2002	Hussaini et al.	
6,496,799 B1	12/2002	Pickering	
6,500,581 B2	12/2002	White et al.	
6,501,807 B1	12/2002	Chieu	
D468,730 S *	1/2003	Chahal et al.	D14/230
D469,080 S	1/2003	Kohli	
6,504,914 B1	1/2003	Brademann et al.	
6,509,546 B1	1/2003	Egitto	
6,511,770 B2	1/2003	Chang	
6,523,752 B2	2/2003	Nishitani et al.	
6,525,648 B1	2/2003	Kubler	
6,529,880 B1	3/2003	McKeen et al.	
6,532,148 B2	3/2003	Jenks et al.	
D472,885 S *	4/2003	Kataoka	D14/167
6,560,092 B2	5/2003	Itou et al.	
D475,996 S	6/2003	Skulley	
D476,297 S *	6/2003	Schwimmer	D13/184
6,574,672 B1	6/2003	Mitchell et al.	
6,581,782 B2	6/2003	Reed	
6,595,420 B1	7/2003	Wilz, Sr. et al.	
6,597,465 B1	7/2003	Jarchow	
6,607,134 B1	8/2003	Bard et al.	
6,608,551 B1	8/2003	Anderson	
D480,074 S	9/2003	Tuhkanen	
6,628,509 B2	9/2003	Kono	
6,639,509 B1	10/2003	Martinez	
D483,281 S	12/2003	Cobigo	
D483,369 S	12/2003	Klemettila	
D483,370 S	12/2003	Klemettila	
6,658,130 B2	12/2003	Huang	
6,660,427 B1	12/2003	Hukill et al.	
6,663,410 B2	12/2003	Revis	
6,677,852 B1	1/2004	Landt	
D487,064 S	2/2004	Stekelenburg	
6,697,465 B1	2/2004	Goss	
D487,276 S	3/2004	Cobigo	
D487,470 S	3/2004	Cobigo	
D488,146 S	4/2004	Minto	
D488,461 S	4/2004	Okada et al.	
6,731,771 B2	5/2004	Cottrell	
D491,917 S	6/2004	Asai	
D491,953 S	6/2004	Arakaki et al.	
D492,295 S	6/2004	Glatt	
6,743,535 B2	6/2004	Yoneyama	
6,745,014 B1	6/2004	Seibert	
6,749,960 B2	6/2004	Takeshita et al.	
6,754,361 B1	6/2004	Hall et al.	
6,754,632 B1	6/2004	Kalinowski et al.	
D494,571 S	8/2004	Polito	
6,769,762 B2	8/2004	Saito et al.	
6,769,767 B2	8/2004	Swab et al.	
6,772,454 B1	8/2004	Barry	
6,778,676 B2	8/2004	Groth et al.	
6,811,088 B2	11/2004	Lanzaro et al.	
6,812,852 B1	11/2004	Cesar	
6,816,063 B2	11/2004	Kubler	
6,826,532 B1	11/2004	Casby et al.	
6,830,181 B1	12/2004	Bennett	
6,847,336 B1	1/2005	Lemelson	
6,853,294 B1	2/2005	Ramamurthy	
6,859,134 B1	2/2005	Heiman et al.	
6,872,080 B2	3/2005	Pastrick	
6,890,273 B1	5/2005	Perez	
D506,065 S	6/2005	Sugino et al.	
6,909,546 B2	6/2005	Hirai	
6,910,911 B2	6/2005	Mellott et al.	
D507,523 S	7/2005	Resch et al.	
6,915,258 B2	7/2005	Kontonassios	
6,934,675 B2	8/2005	Glinski et al.	
6,965,681 B2	11/2005	Almqvist	
D512,417 S	12/2005	Hirakawa et al.	
D512,718 S	12/2005	Mori et al.	
D512,985 S	12/2005	Travers et al.	
6,971,716 B2	12/2005	DePaulis et al.	
6,982,640 B2	1/2006	Lindsay et al.	
7,003,464 B2	2/2006	Ferrans et al.	
D517,556 S	3/2006	Cho	
D518,451 S	4/2006	Nussberger et al.	
D519,497 S	4/2006	Komiyama	
7,028,265 B2	4/2006	Kuromusha et al.	
7,052,799 B2	5/2006	Zatezalo et al.	
D522,897 S	6/2006	Kellond	
7,063,263 B2	6/2006	Swartz et al.	
D524,794 S	7/2006	Kim	
D525,237 S	7/2006	Viduya et al.	
7,082,393 B2	7/2006	Lahr	
7,085,543 B2	8/2006	Nassimi	
7,099,464 B2	8/2006	Lucey et al.	
D528,031 S	9/2006	Kellond	
7,110,800 B2	9/2006	Nagayasu et al.	
7,110,801 B2	9/2006	Nassimi	
D529,438 S	10/2006	Viduya et al.	
D529,447 S	10/2006	Greenfield	
D531,586 S	11/2006	Poulet	
7,143,041 B2	11/2006	Sacks et al.	
D533,184 S	12/2006	Kim	
7,145,513 B1	12/2006	Cohen	
7,146,323 B2	12/2006	Guenther et al.	
D535,974 S	1/2007	Alwicker et al.	
D536,692 S	2/2007	Alwicker et al.	
D537,978 S	3/2007	Chen	
D539,816 S	4/2007	Aoki	
7,216,351 B1	5/2007	Maes	
D543,994 S	6/2007	Kurihara	
7,228,429 B2	6/2007	Monroe	
D547,773 S *	7/2007	Aoki	D14/496
D548,220 S	8/2007	Takagi	
D549,216 S	8/2007	Viduya et al.	
D549,217 S	8/2007	Viduya et al.	
D549,694 S	8/2007	Viduya et al.	
7,257,537 B2	8/2007	Ross et al.	
D551,615 S	9/2007	Wahl et al.	
D552,592 S *	10/2007	Deguchi	D14/167
D552,595 S	10/2007	Viduya et al.	
D558,761 S	1/2008	Viduya et al.	
D558,785 S	1/2008	Kofford	
7,319,740 B2	1/2008	Engelke	
7,346,175 B2	3/2008	Hui et al.	
D565,569 S	4/2008	Viduya et al.	
D567,218 S	4/2008	Viduya et al.	
D567,219 S	4/2008	Viduya et al.	
D567,799 S	4/2008	Viduya et al.	
D567,806 S	4/2008	Viduya et al.	
D568,881 S	5/2008	Hsiau	
D569,358 S	5/2008	Devenish, III et al.	
D569,876 S	5/2008	Griffin	
7,369,991 B2	5/2008	Manabe et al.	
D571,372 S	6/2008	Brefka et al.	
D572,655 S	7/2008	Osiecki et al.	
D573,577 S	7/2008	Huang	
7,413,124 B2	8/2008	Frank et al.	
D583,827 S *	12/2008	Wahl	D14/496
D585,896 S *	2/2009	Wahl et al.	D14/433

D587,269	S	2/2009	Keeports et al.	
7,487,440	B2	2/2009	Gergic et al.	
7,496,387	B2	2/2009	Byford et al.	
7,519,196	B2	4/2009	Bech	
D593,066	S *	5/2009	Sheba et al.	D14/203.1
7,604,765	B2	10/2009	Sugimoto et al.	
D609,246	S *	2/2010	Wahl	D14/496
D612,856	S *	3/2010	Wahl et al.	D14/433
D626,949	S	11/2010	Wahl et al.	
2001/0017926	A1	8/2001	Vicamini	
2001/0046305	A1	11/2001	Muranami	
2002/0003889	A1	1/2002	Fischer	
2002/0015008	A1	2/2002	Kishida	
2002/0021551	A1	2/2002	Kashiwagi	
2002/0044058	A1	4/2002	Heinrich	
2002/0076060	A1	6/2002	Hall	
2002/0131616	A1	9/2002	Bronnikov	
2002/0178344	A1	11/2002	Bourguet	
2003/0095525	A1	5/2003	Lavin	
2003/0130852	A1	7/2003	Tanaka	
2003/0233165	A1	12/2003	Hein	
2004/0024586	A1	2/2004	Andersen	
2004/0063475	A1	4/2004	Weng	
2004/0091129	A1	5/2004	Jensen	
2004/0220686	A1	11/2004	Cass	
2005/0010418	A1	1/2005	McNair	
2005/0095899	A1	5/2005	Mellott	
2005/0230388	A1	10/2005	Wu	
2005/0272401	A1	12/2005	Zatezalo	
2006/0044112	A1	3/2006	Bridgelall	
2007/0080930	A1	4/2007	Logan	
2007/0221138	A1	9/2007	Mainini	
2008/0072847	A1	3/2008	Liao	

FOREIGN PATENT DOCUMENTS

EP	00732817	9/1996
EP	1383029	1/2004
GB	02242099	9/1991
WO	WO00041543	7/2000

WO	WO02069320	9/2002
WO	WO2005008476	1/2005
WO	WO2007044755	1/2007

OTHER PUBLICATIONS

One-page Peripheral PDF's: http://cgi.ebay.com/USB-wireless-MOUSE-w-receiver-pocket-USB-HUB-PS-2-si_W0QQ_itemZ110007231278QQihZ001QQcategoryZ60264QQ_cmDZViewItem, Nov. 16, 2006.

Six-page www.vocollect.com—Vocollect PDF brochure, Nov. 2005.

Four-page Vocollect Speech Recognition Headsets brochure—Clarity and comfort. Reliable performance. Copyright Sep. 2005.

Four-page Vocollect Speech Recognition Headsets brochure—SR 30 Series Talkman High-Noise Headset. Copyright 2005.

Two-page Vocollect SR 20 Talkman Lightweight Headset Product Information Sheet. Copyright Aug. 2004.

Photographs 1-7 SR Talkman Headset Aug. 2004—Prior art.

Two-page Supplemental Vocollect SR 20, Talkman Lightweight Headset Product Information Sheet. Copyright Aug. 2004.

Photographs 1-8 SR Talkman Headset.

Fifteen-page Takebayashi, Spontaneous Speech Dialogu System Tossburg II— The User-Centered Multimodal Interface, Published Nov. 15, 2995.

Four-page Wang, "SALT: A Spoken Language Interface for Web-based Multimodal Dialog Systems," In Proc. ICSLP, 2002, pp. 2241-2244.

Three-page Bers, et al. "Designing Conversational Interfaces with Multimodal Interaction", DARPA Workshop on Broadcast News Understanding Systems, 1998, pp. 319-321.

Two-page Retail Technology article entitled Vocollect is the perfect pick at Nisa-Today's, published Dec. 31, 2004 in Business Media Ltd.; retrieved from Internet www.retailtechnology.co.uk/CaseStudies/vocollect.htm on Jan. 9, 2009.

US 6,335,860, 01/2002, Shin (withdrawn)

* cited by examiner

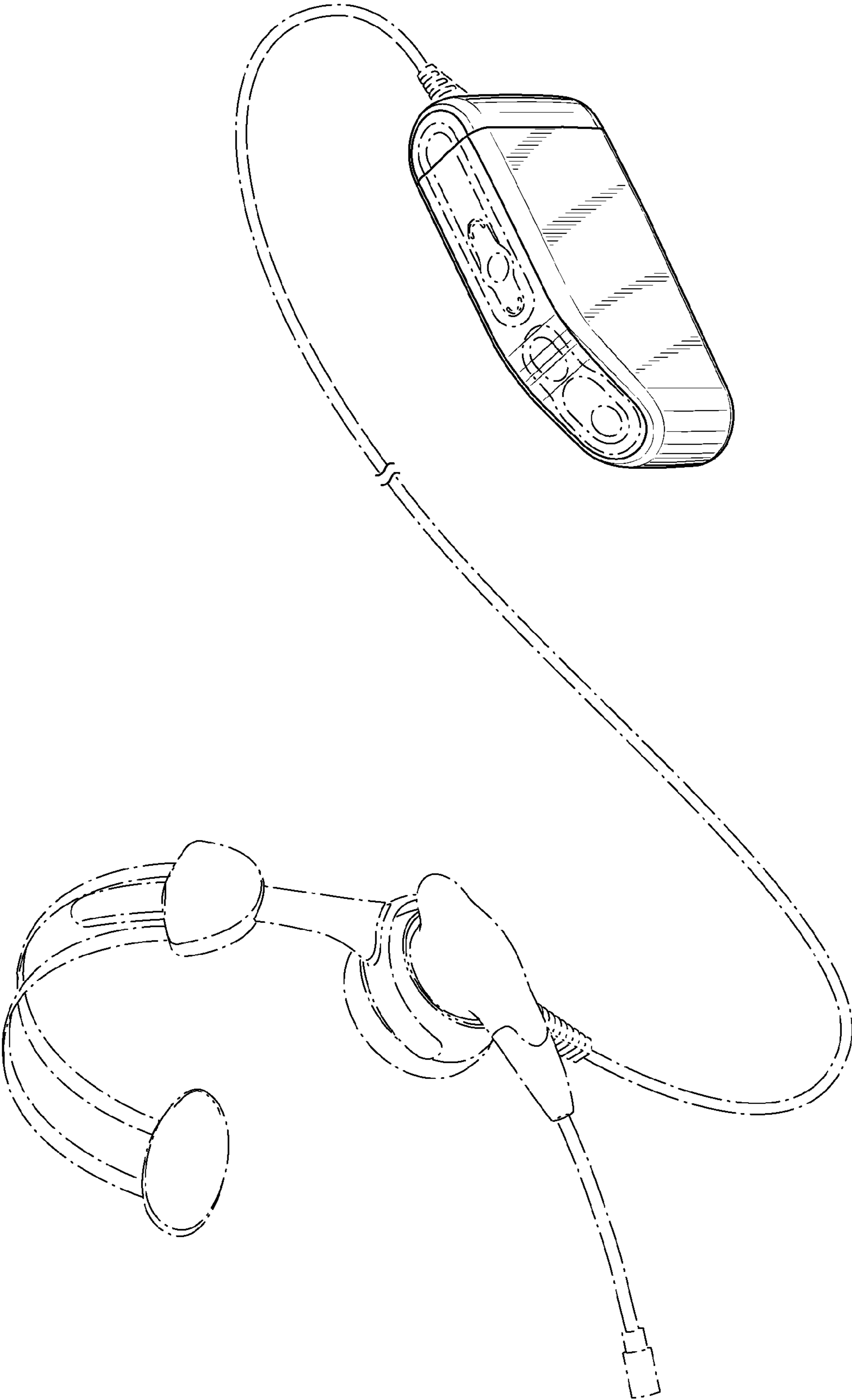


FIG. 1

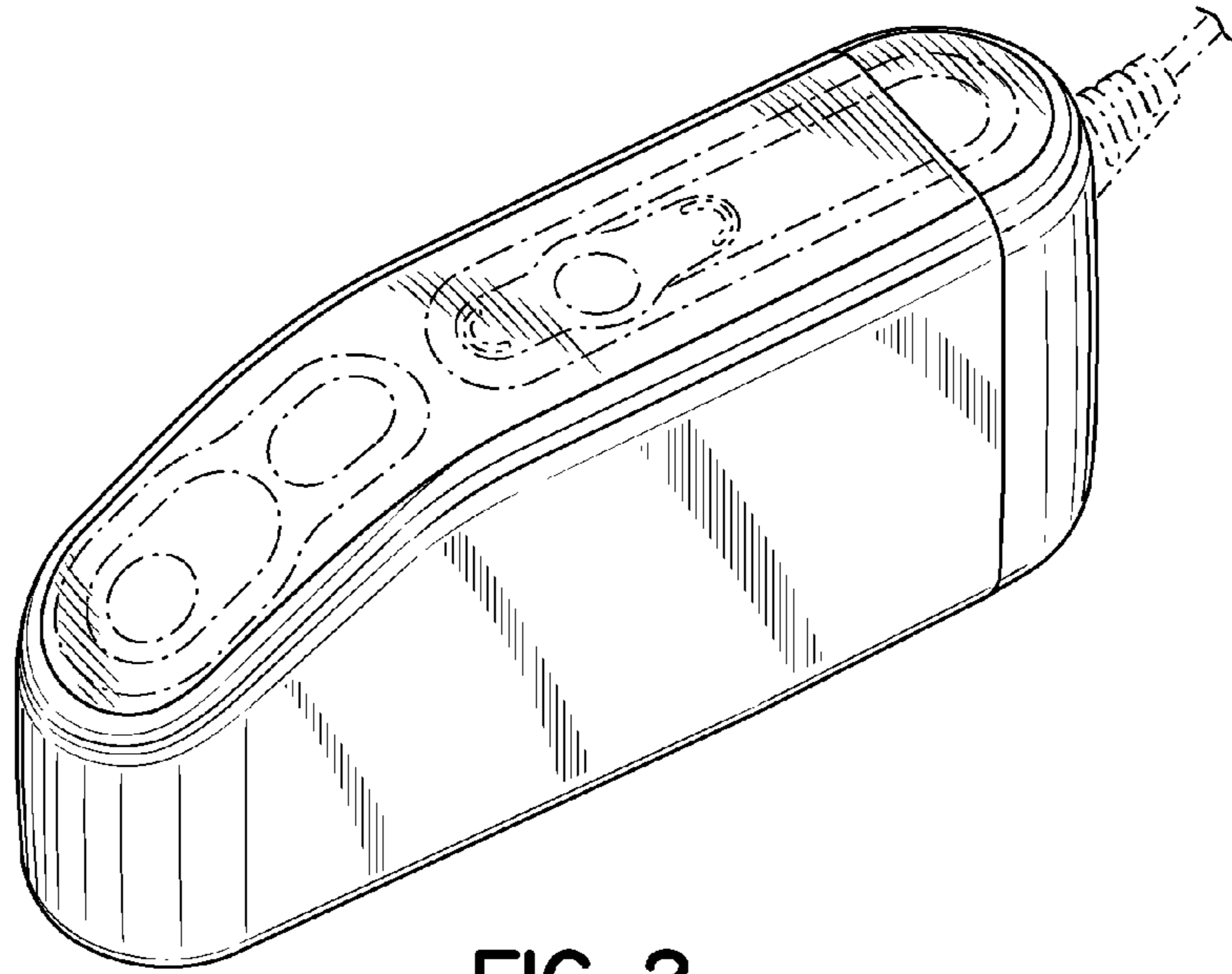


FIG. 2

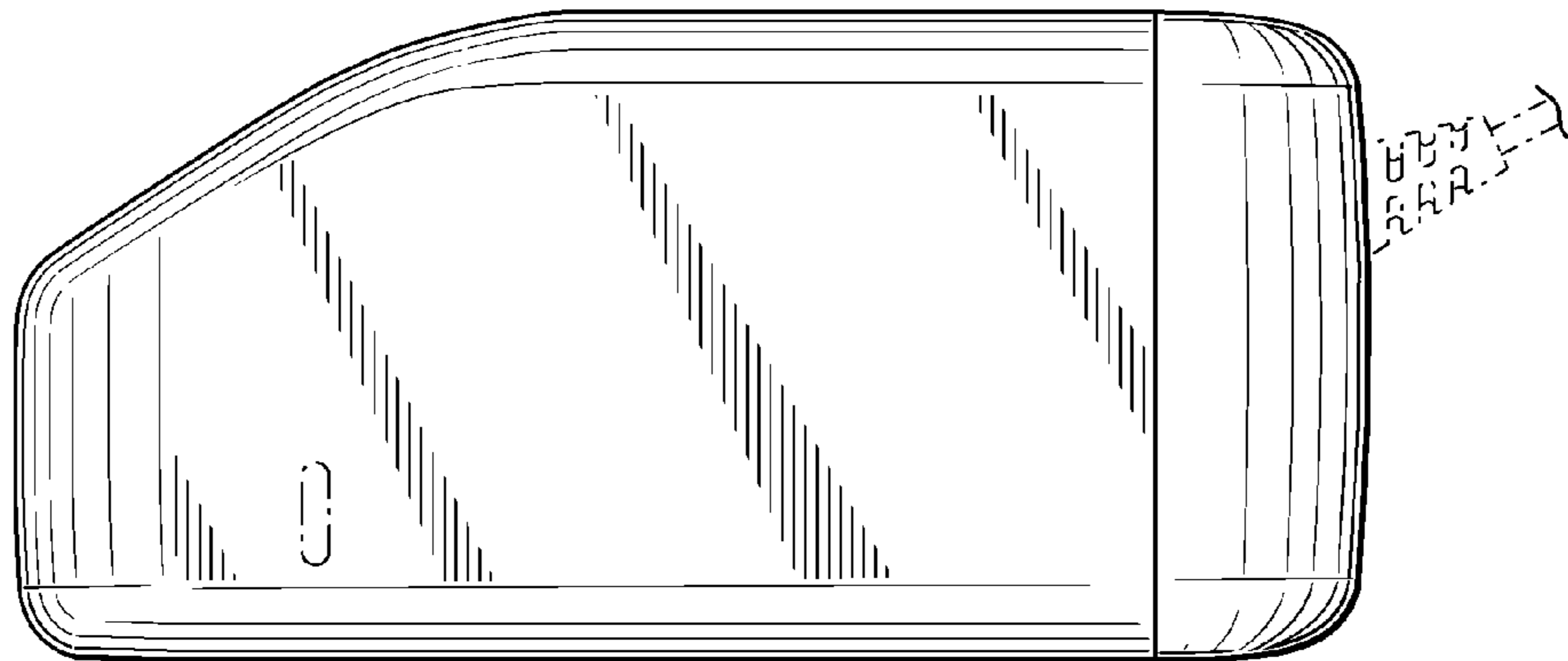


FIG. 3

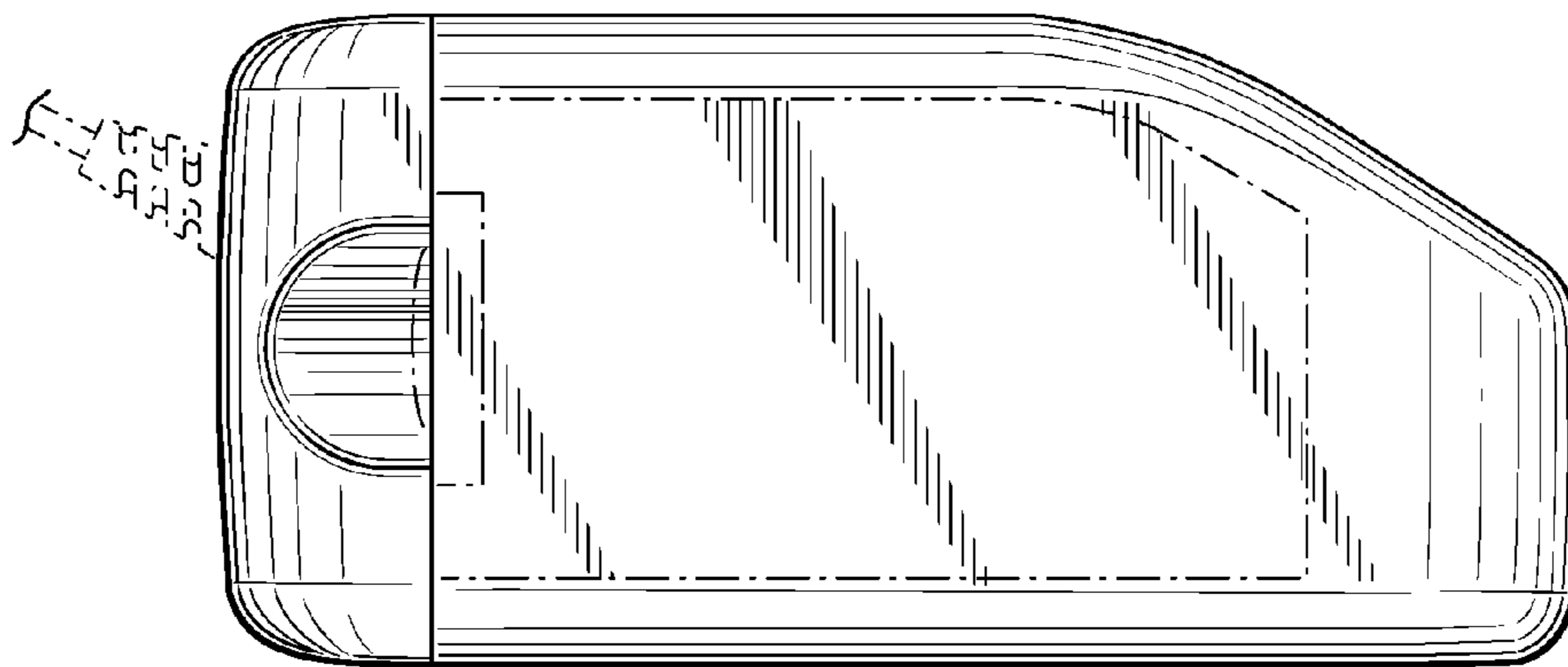


FIG. 4

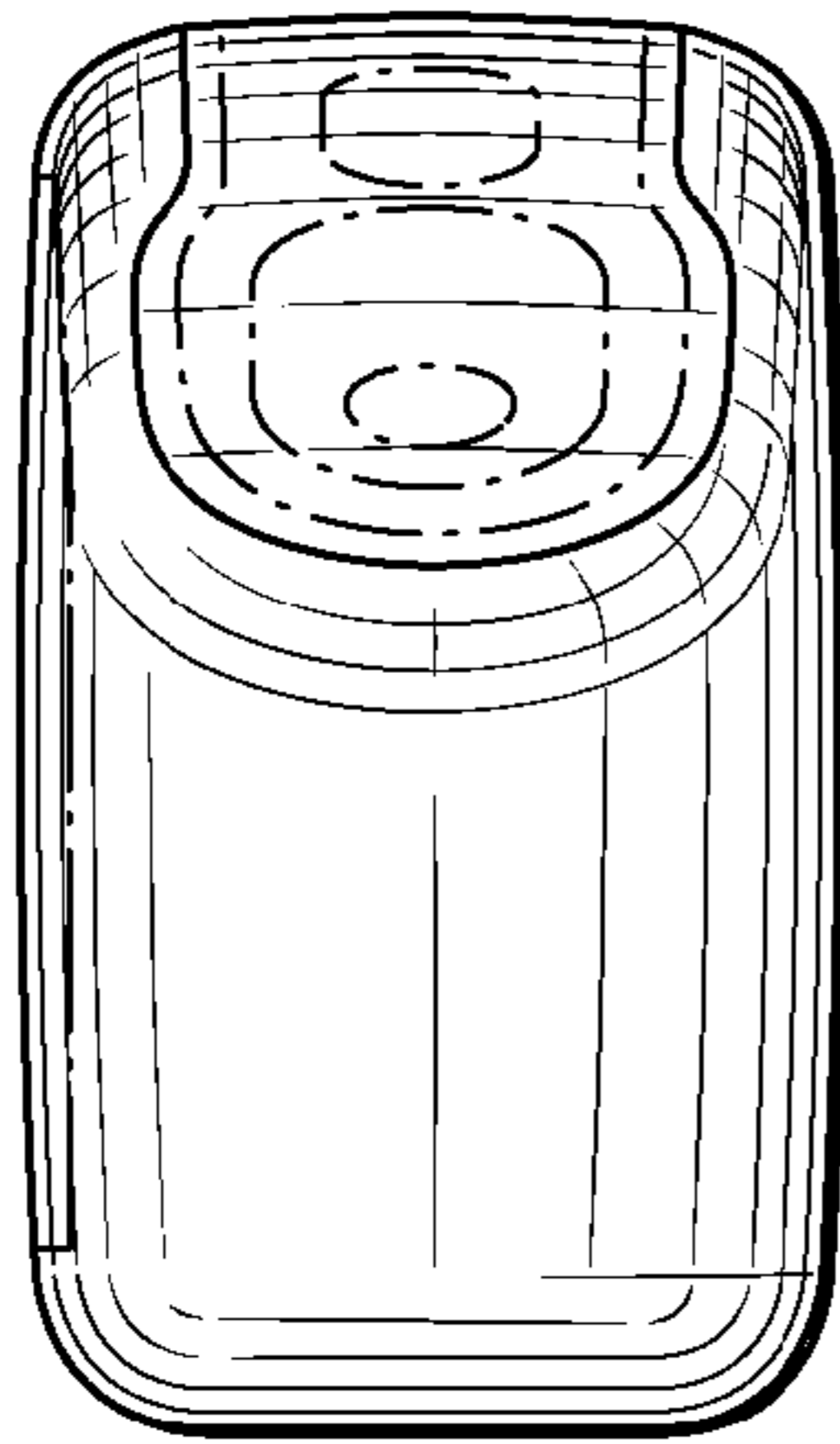


FIG. 5

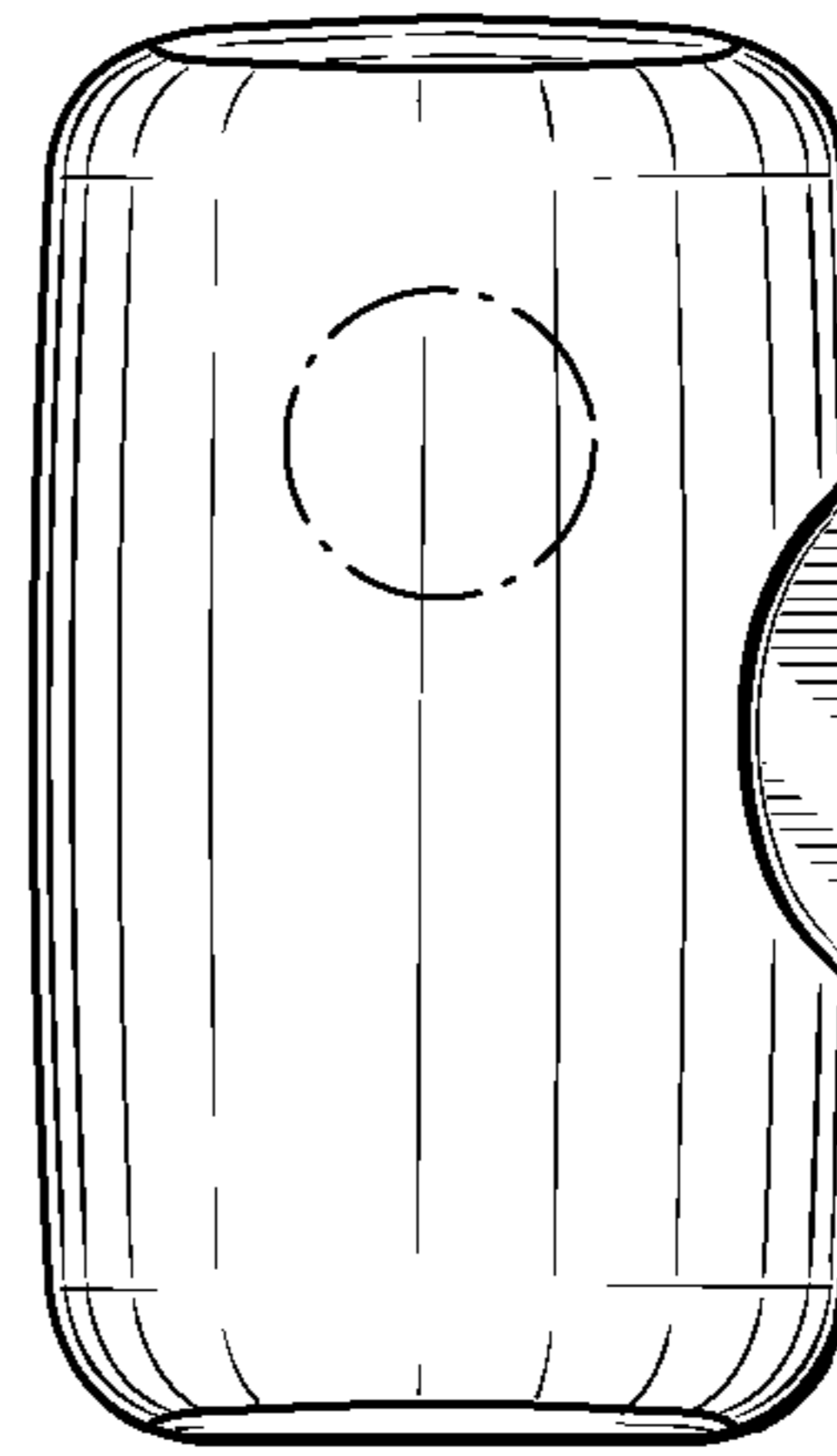


FIG. 6

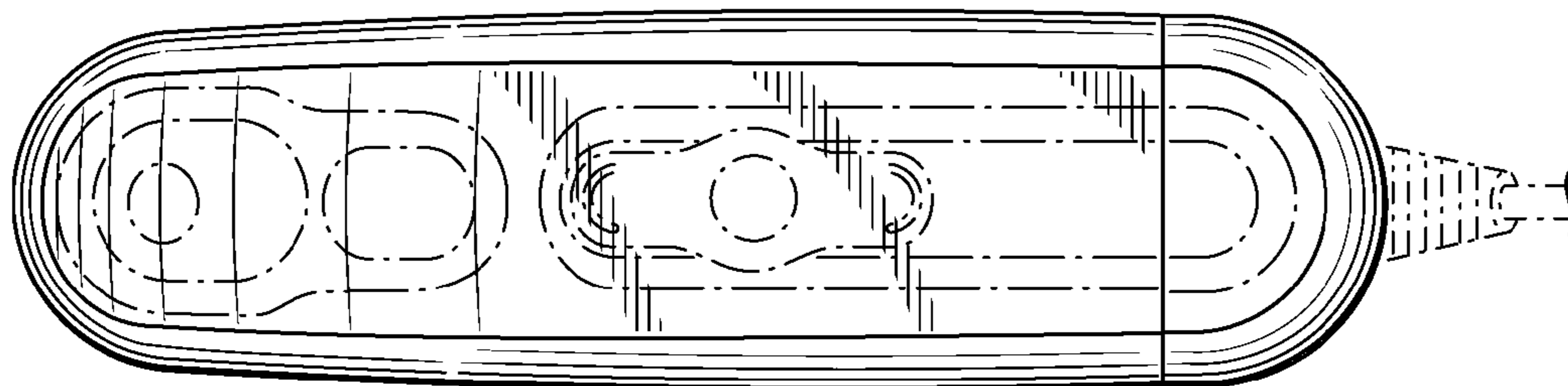


FIG. 7

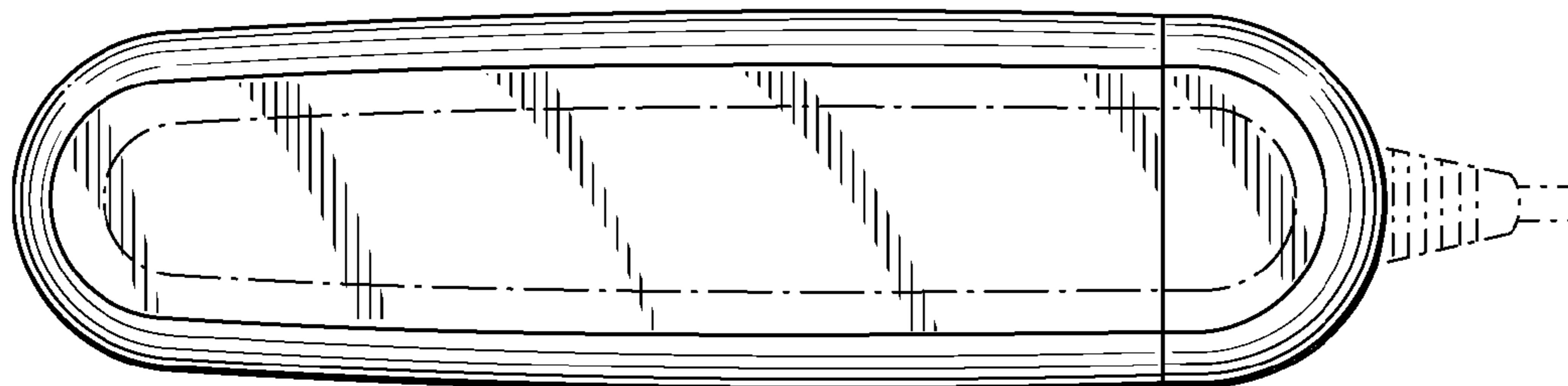


FIG. 8