



US00D960648S

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

(10) **Patent No.:** **US D960,648 S**

(45) **Date of Patent:** **** Aug. 16, 2022**

(54) **CONTAINER ACCESSORY**

(71) Applicant: **YETI Coolers, LLC**, Austin, TX (US)

(72) Inventors: **Dustin Bullock**, Austin, TX (US);
Andy Bondhus, Austin, TX (US);
Steve Charles Nichols, Austin, TX
(US); **Walter T. Blanchard**, Manor, TX
(US)

(73) Assignee: **YETI Coolers, LLC**, Austin, TX (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/762,446**

(22) Filed: **Dec. 16, 2020**

(51) **LOC (13) Cl.** **07-01**

(52) **U.S. Cl.**
USPC **D7/553.2**

(58) **Field of Classification Search**
USPC D3/303–315, 318–319, 328; D7/550.1,
D7/552.1, 553.1, 553.2, 600.1, 601–602,
D7/701

CPC ... B65D 1/00; B65D 1/34; B65D 1/36; B65D
85/00; A47G 19/00; A47G 19/30; A47G
23/00; A47G 23/06

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

286,909 A	10/1883	Commander
749,959 A	1/1904	Curtiss
1,008,041 A	11/1911	Leonard
1,056,648 A	3/1913	Earley
2,101,337 A	12/1937	Komenak
2,109,928 A	3/1938	Passalaqua
2,183,121 A	12/1939	Levine
2,439,660 A	4/1948	Keil
2,455,069 A	11/1948	Lauder
2,472,491 A	6/1949	Quinton
2,510,643 A	6/1950	Long
2,565,939 A	8/1951	Wriston

2,574,089 A	11/1951	Cochran
2,577,951 A	12/1951	Cortsen
2,581,417 A	1/1952	Jones
2,604,961 A	7/1952	Koch

(Continued)

FOREIGN PATENT DOCUMENTS

BE	1013040 A3	8/2001
BE	1016429 A3	10/2006

(Continued)

OTHER PUBLICATIONS

Pelican Elite 50 Quart Cooler, available Nov. 9, 2016, [online], [site visited Mar. 31, 2018], Available from internet, <URL: https://www.amazon.com/Pelican-Elite-Quart-Cooler-White/product-reviews/B01G7KG5PA/ref=cm_cr_getr_d_paging_btm_5?ie=UTF8&reviewerType=all_reviews&sortBy=recent&pageNumber=5> (Year:2016).

(Continued)

Primary Examiner — Kelley A Donnelly
(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

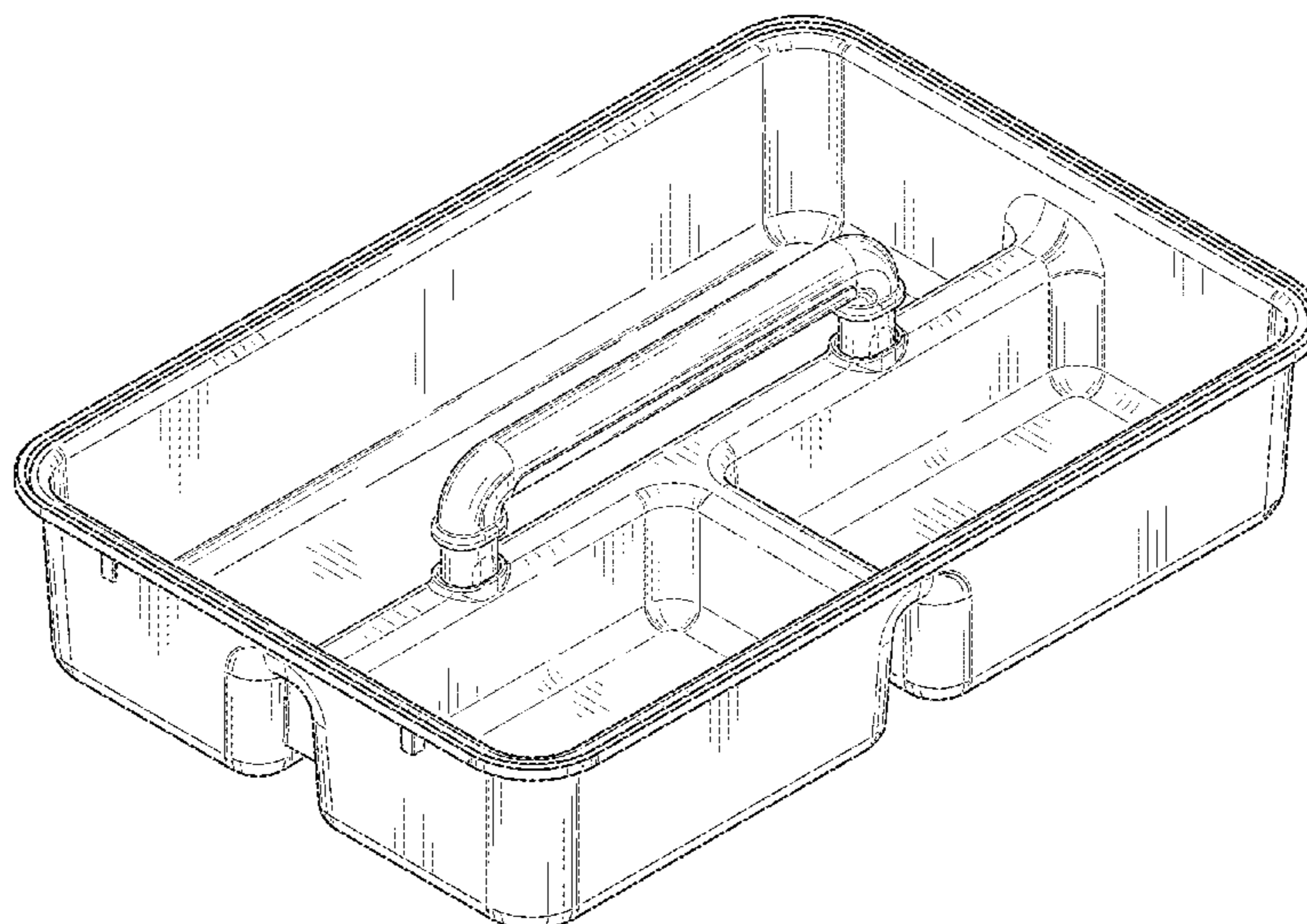
(57) **CLAIM**

The ornamental design for a container accessory, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a container accessory showing our new design; FIG. 2 is a right side view thereof; FIG. 3 is a left side view thereof; FIG. 4 is a front view thereof; FIG. 5 is a rear view thereof; FIG. 6 is a top view thereof; and, FIG. 7 is a bottom view thereof. The broken lines depicting the remainder of the container accessory show features that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,647,653 A	8/1953	Dube	4,775,072 A	10/1988	Lundblade et al.
2,717,093 A	9/1955	Mautner	4,792,024 A	12/1988	Morton et al.
2,747,732 A	5/1956	Fischer	4,802,344 A	2/1989	Livingston et al.
2,803,956 A	8/1957	Womer	4,805,272 A	2/1989	Yamaguchi
2,874,401 A	2/1959	Kotkins	4,826,060 A	5/1989	Hollingsworth
2,912,080 A	11/1959	Ikelheimer	4,858,444 A	8/1989	Scott
2,931,205 A	4/1960	Schmitz	4,873,841 A	10/1989	Bradshaw et al.
2,936,189 A	5/1960	Pearson	4,899,904 A	2/1990	Dooley et al.
3,009,193 A	11/1961	Litton	4,904,007 A	2/1990	Woodruff
3,057,636 A	10/1962	Iorre	4,917,261 A	4/1990	Borst
3,141,680 A	7/1964	McCord	4,928,800 A	5/1990	Green et al.
3,191,244 A	6/1965	Burke	4,930,649 A	6/1990	Moser
3,202,310 A	8/1965	Tibbets	4,975,073 A	12/1990	Weisman
3,225,983 A	12/1965	Majka	4,982,863 A	1/1991	Skillius
3,250,558 A	5/1966	McClintock	5,011,013 A	4/1991	IWeisner et al.
3,259,412 A	7/1966	Wheeler	5,011,020 A	4/1991	Stevens et al.
3,416,701 A	12/1968	Kramer et al.	5,014,830 A	5/1991	Seynhaeve
3,432,025 A	3/1969	Luhe	5,024,471 A	6/1991	Kahl et al.
3,464,579 A	9/1969	Asenbauer	5,040,834 A	8/1991	Kahl et al.
3,519,298 A	7/1970	Gley	5,044,513 A	9/1991	Van Berne
3,565,305 A	2/1971	Belokin, Jr.	5,062,557 A	11/1991	Mahvi et al.
3,642,168 A	2/1972	Wiley, Jr. et al.	5,075,925 A	12/1991	Maloney
3,656,650 A	4/1972	Frater	5,080,250 A	1/1992	Dickinson et al.
3,661,410 A	5/1972	Larson et al.	5,096,030 A	3/1992	Espinosa et al.
3,688,942 A	9/1972	Mitchell et al.	5,101,541 A	4/1992	Watanabe
3,690,708 A	9/1972	Worley et al.	5,111,920 A	5/1992	Castelli et al.
3,741,433 A	6/1973	Bentley et al.	D327,427 S	6/1992	McCooley
3,831,224 A	8/1974	MacMaster et al.	5,117,952 A	6/1992	Suh
3,847,423 A	11/1974	Gley	D328,186 S	7/1992	Hanke
3,861,504 A	1/1975	McGraw	5,139,294 A	8/1992	Ward et al.
3,882,914 A	5/1975	Strutz	D329,135 S	9/1992	Embree
3,886,625 A	6/1975	Rollband	5,153,561 A	10/1992	Johnson
3,902,628 A	9/1975	Schurman	5,165,583 A	11/1992	Kouwenberg
3,915,362 A	10/1975	Hart	5,167,433 A	12/1992	Ryan
3,917,038 A	11/1975	Foge et al.	5,169,018 A	12/1992	Fiore
3,933,269 A	1/1976	Mastrovito	D333,775 S	3/1993	Krape
3,955,656 A	5/1976	Kashinski	D334,870 S	4/1993	Griffin
3,987,829 A	10/1976	Leone	D335,030 S	4/1993	Alfonso
3,991,921 A	11/1976	Hirsch	5,205,413 A	4/1993	Cautereels et al.
4,094,392 A	6/1978	Gregg et al.	5,213,381 A	5/1993	Anderson
4,095,711 A	6/1978	Conley	5,216,905 A	6/1993	Sersch et al.
4,116,479 A	9/1978	Poe	5,235,830 A	8/1993	Benge
4,143,442 A	3/1979	Harlang	D340,167 S	10/1993	Kahl
4,153,178 A	5/1979	Weavers	D342,609 S	12/1993	Brightbill
4,184,705 A	1/1980	Little	5,269,157 A	12/1993	Ciminelli et al.
D256,630 S	9/1980	Maney	5,282,706 A	2/1994	Anthony et al.
D257,218 S	10/1980	Eriksson	5,295,369 A	3/1994	Garcia
4,249,760 A	2/1981	Conley	D347,114 S	5/1994	Vail
4,254,850 A	3/1981	Knowles	5,313,817 A	5/1994	Meinders
4,273,223 A	6/1981	Tomlinson	D347,971 S	6/1994	Krugman
4,343,412 A	8/1982	Wilcox et al.	5,319,937 A	6/1994	Fritsch et al.
4,351,165 A	9/1982	Gottsegen et al.	5,322,178 A	6/1994	Foos
4,446,705 A	5/1984	Loucks	5,335,451 A	8/1994	Druzynski
4,465,189 A	8/1984	Molzan	D351,533 S	10/1994	Lynam, Jr.
4,476,988 A	10/1984	Tanner	5,353,946 A	10/1994	Behrend
4,509,622 A	4/1985	Morszeck	5,358,082 A	10/1994	Armstrong, IV
4,515,421 A	5/1985	Steffes	5,373,708 A	12/1994	Dumoulin, Jr.
4,516,686 A	5/1985	Chaussepied	D355,568 S	2/1995	Paulin et al.
4,522,312 A	6/1985	Rathgeber et al.	5,390,811 A	2/1995	Ogino et al.
4,523,692 A	6/1985	Lemkin	5,402,557 A	4/1995	Dalen
4,550,813 A	11/1985	Browning	D358,765 S	5/1995	Dickinson et al.
4,561,526 A	12/1985	Winter et al.	5,419,432 A	5/1995	Ingram
4,573,202 A	2/1986	Lee	5,423,644 A	6/1995	First, Sr.
4,575,109 A	3/1986	Cowdery	5,427,308 A	6/1995	Swift et al.
D283,666 S *	5/1986	Holzkopf D7/357	D359,836 S	7/1995	Shuler
4,592,482 A	6/1986	Seager	5,431,263 A	7/1995	Nordstrom
4,615,464 A	10/1986	Byrns	5,435,256 A	7/1995	Svehaug
4,662,188 A	5/1987	Hullihan	D361,664 S *	8/1995	Brown D3/315
4,673,207 A	6/1987	Reynolds et al.	D361,888 S	9/1995	Kahl et al.
D290,908 S	7/1987	Thomas	5,454,477 A	10/1995	Bomhorst et al.
4,706,344 A	11/1987	Tanaka et al.	D364,426 S	11/1995	Bucaccio
4,707,011 A	11/1987	McKim, Jr.	5,465,985 A	11/1995	Devan et al.
4,712,657 A	12/1987	Myers et al.	5,478,097 A	12/1995	Forma
4,746,008 A	5/1988	Heverly et al.	D367,360 S	2/1996	Wolff
4,768,815 A	9/1988	Harmon	D368,161 S	3/1996	Miller
			D369,342 S	4/1996	Williams
			D369,695 S	5/1996	Imotani
			5,518,139 A	5/1996	Trower et al.
			5,519,919 A	5/1996	Lee

(56)	References Cited	6,039,205 A *	3/2000	Flink	B65D 1/38 206/520
	U.S. PATENT DOCUMENTS	6,047,976 A	4/2000	Wang	
		6,050,373 A	4/2000	Wonka et al.	
		D425,301 S	5/2000	Sagol	
		6,079,083 A	6/2000	Akashi	
		6,079,754 A	6/2000	Alexy	
		D427,882 S	7/2000	Wytcherley et al.	
		D428,698 S	8/2000	Cheng	
		6,105,767 A	8/2000	Vasudeva	
		6,129,231 A	10/2000	Hsiao et al.	
		6,135,253 A	10/2000	Weissman et al.	
		6,152,501 A	11/2000	Magi et al.	
		D435,780 S	1/2001	Tieu	
		6,167,994 B1	1/2001	Kuo et al.	
		6,170,122 B1	1/2001	Kuo	
		6,176,499 B1	1/2001	Conrado et al.	
		6,176,559 B1	1/2001	Tiramani et al.	
		6,179,176 B1	1/2001	Saggese et al.	
		D440,118 S *	4/2001	Claffy	D7/553.1
		D441,954 S	5/2001	Parker	
		6,234,287 B1	5/2001	Pfeiffer	
		6,244,064 B1	6/2001	Powell et al.	
		6,244,066 B1	6/2001	LaRose	
		6,244,458 B1	6/2001	Frysinger et al.	
		6,247,203 B1	6/2001	Kuo	
		6,247,328 B1	6/2001	Mogil	
		6,260,240 B1	7/2001	Akashi et al.	
		6,279,971 B1	8/2001	Dessenberger, Jr.	
		6,289,554 B1	9/2001	Wang	
		6,289,684 B1	9/2001	Guidry, II et al.	
		D449,163 S	10/2001	Dahlen et al.	
		6,305,185 B1	10/2001	Sloan	
		D451,278 S	12/2001	Cooper	
		6,328,247 B1	12/2001	Fechter	
		6,343,815 B1	2/2002	Poe	
		D454,292 S	3/2002	Plummer et al.	
		6,353,978 B1	3/2002	Kawahara et al.	
		6,357,080 B1	3/2002	Tsai	
		6,360,400 B1	3/2002	Chang	
		6,363,739 B1	4/2002	Hodosh et al.	
		6,367,602 B1	4/2002	Chang	
		6,371,320 B2	4/2002	Sagol	
		6,371,346 B1	4/2002	Sharma	
		6,375,237 B1	4/2002	Koenig	
		D457,724 S	5/2002	Och	
		D457,725 S	5/2002	Parsons	
		6,389,645 B1	5/2002	Polidoro	
		6,398,272 B1	6/2002	Plummer et al.	
		6,401,308 B1	6/2002	Kawahara	
		6,422,386 B1	7/2002	Wiese et al.	
		6,427,475 B1	8/2002	DeFelice et al.	
		6,427,501 B2	8/2002	Ramsauer	
		D462,519 S	9/2002	Gaydos et al.	
		6,446,382 B1	9/2002	Cloutier et al.	
		6,446,988 B1	9/2002	Kho	
		D464,485 S	10/2002	Sward et al.	
		6,467,779 B1	10/2002	Mills	
		6,474,098 B2	11/2002	Perrine	
		6,478,463 B2	11/2002	Snider	
		6,481,239 B2	11/2002	Hodosh et al.	
		D466,439 S	12/2002	Wagner et al.	
		D467,424 S	12/2002	Hardigg et al.	
		D467,425 S	12/2002	Hardigg et al.	
		D467,426 S	12/2002	Hardigg et al.	
		6,497,311 B2	12/2002	Tiramani et al.	
		6,497,438 B1	12/2002	Holub et al.	
		6,499,574 B1	12/2002	Anthony	
		6,502,677 B1	1/2003	Tiramani et al.	
		6,508,389 B1	1/2003	Ripoyla et al.	
		6,520,514 B2	2/2003	Clegg	
		D471,711 S	3/2003	Addison	
		6,527,309 B1	3/2003	Gaydos et al.	
		6,532,624 B1	3/2003	Vang	
		D472,431 S	4/2003	Spence, Jr.	
		6,543,096 B2	4/2003	Settelmayer et al.	
		6,547,218 B2	4/2003	Landy	
		6,547,289 B1	4/2003	Greenheck et al.	
		6,550,592 B1	4/2003	Godshaw et al.	
	D370,619 S	6/1996	Hall et al.		
	D371,051 S	6/1996	Melk		
	D371,052 S	6/1996	Melk		
	5,524,737 A	6/1996	Wang		
	5,526,953 A	6/1996	Chieng		
	D371,724 S	7/1996	Melk		
	D371,942 S	7/1996	Lippincott et al.		
	5,533,231 A	7/1996	Bai		
	D373,514 S	9/1996	Melk		
	D373,515 S	9/1996	Melk		
	5,564,805 A	10/1996	Dickinson		
	5,568,848 A	10/1996	Liang		
	5,570,915 A	11/1996	Asadurian		
	5,575,362 A	11/1996	Franklin et al.		
	5,590,891 A	1/1997	Kazmark, Jr.		
	5,603,545 A	2/1997	Benson et al.		
	5,620,212 A	4/1997	Bourne et al.		
	5,620,213 A	4/1997	Ellis		
	5,626,373 A	5/1997	Chambers et al.		
	5,630,630 A	5/1997	Price et al.		
	D380,369 S	7/1997	Antonucci		
	D381,512 S	7/1997	Green		
	D381,562 S	7/1997	Westcott		
	D381,871 S	8/1997	Melk		
	D382,114 S	8/1997	Dickinson et al.		
	D383,306 S	9/1997	Pennoyer		
	D383,603 S	9/1997	Pedlar		
	5,662,223 A	9/1997	Syleg.ang.rd		
	5,683,097 A	11/1997	Fenton et al.		
	5,688,001 A	11/1997	Klein et al.		
	D387,249 S	12/1997	Mogil		
	D387,558 S	12/1997	Mann et al.		
	D387,626 S	12/1997	Melk		
	5,704,158 A	1/1998	Whiteaker		
	5,718,350 A	2/1998	Williams		
	D392,510 S	3/1998	Perez		
	5,727,844 A	3/1998	O'Quinn et al.		
	5,732,987 A	3/1998	Wright et al.		
	5,755,311 A	5/1998	Younessian et al.		
	5,762,242 A	6/1998	Yost		
	5,762,411 A	6/1998	Yemini		
	5,769,194 A	6/1998	Chang		
	5,797,488 A	8/1998	Yemini		
	5,803,472 A	9/1998	Lien		
	5,813,503 A	9/1998	Chang		
	5,816,185 A	10/1998	Ruthrford		
	5,826,718 A	10/1998	Ahem, Jr. et al.		
	5,826,770 A	10/1998	Chuang		
	5,839,553 A	11/1998	Dorsam		
	5,860,281 A	1/1999	Coffee et al.		
	5,865,281 A	2/1999	Wang		
	5,875,948 A	3/1999	Sadler		
	5,887,745 A	3/1999	Wood		
	5,896,962 A	4/1999	Smith et al.		
	5,901,571 A	5/1999	Whaley		
	5,904,269 A	5/1999	Wolff		
	D410,387 S	6/1999	Jacques		
	5,924,303 A	7/1999	Hodosh		
	5,933,929 A	8/1999	Kawakami et al.		
	5,934,716 A	8/1999	Koveal et al.		
	5,940,940 A	8/1999	Tanikoshi et al.		
	5,950,368 A	9/1999	Bradford		
	5,956,805 A	9/1999	Huang		
	5,957,321 A	9/1999	Jones		
	D414,673 S	10/1999	Dickinson et al.		
	5,971,218 A	10/1999	Le		
	5,975,334 A	11/1999	Mayo		
	5,984,064 A	11/1999	Byington		
	5,984,326 A	11/1999	Abraham et al.		
	5,984,382 A	11/1999	Bourne et al.		
	5,988,658 A	11/1999	Ritchie et al.		
	6,015,072 A	1/2000	Young		
	D419,767 S	2/2000	Richardson et al.		
	D419,768 S	2/2000	Richardson et al.		
	D420,221 S *	2/2000	Williams	D3/315	

(56)

References Cited

U.S. PATENT DOCUMENTS

6,554,327 B1	4/2003	Riley	7,246,704 B2	7/2007	Brunson et al.
D474,649 S	5/2003	Spence, Jr.	7,246,718 B2	7/2007	Einav et al.
6,574,983 B2	6/2003	Smith et al.	D552,352 S	10/2007	Lin
6,585,090 B2	7/2003	Harvey	7,284,393 B1	10/2007	Macmillan
D477,916 S	8/2003	Nykoluk	7,284,763 B1	10/2007	King
D478,782 S	8/2003	Li	D555,902 S	11/2007	Pendergraph et al.
6,612,411 B2	9/2003	Nykoluk et al.	7,296,434 B2	11/2007	Scroggs
6,619,448 B1	9/2003	Wang	7,306,243 B2	12/2007	Van Horn et al.
D481,293 S	10/2003	Ayrest	7,309,106 B2	12/2007	Stallman
6,637,077 B2	10/2003	Doty	D562,646 S	2/2008	Lown et al.
6,637,562 B2	10/2003	Oh	7,334,680 B2	2/2008	Cunningham et al.
D482,593 S	11/2003	Wolf	7,334,802 B2	2/2008	Kaplan
6,640,397 B1	11/2003	Gipson	D563,101 S	3/2008	Kuchler
6,646,864 B2	11/2003	Richardson	7,344,028 B2	3/2008	Hanson
D484,004 S	12/2003	Lee	D566,479 S	4/2008	Kabalin
6,658,903 B1	12/2003	McShane et al.	7,367,451 B2	5/2008	Pendergraph et al.
6,679,358 B2	1/2004	Be	7,370,891 B1	5/2008	Schmitt et al.
6,679,359 B2	1/2004	Pfeiffer	D570,601 S	6/2008	Drew et al.
6,691,451 B1	2/2004	Keenan	D570,603 S	6/2008	Wu et al.
D487,348 S	3/2004	Fenton et al.	7,387,350 B2	6/2008	Killinger et al.
6,698,608 B2	3/2004	Parker et al.	D572,577 S	7/2008	Hatton
6,718,559 B1	4/2004	Davidson	7,397,674 B2	7/2008	Schlack
D489,531 S	5/2004	Oh	D574,150 S	8/2008	Ross
D489,595 S	5/2004	Gleichauf et al.	D574,667 S	8/2008	Grabijas, III et al.
6,736,265 B2	5/2004	Kipper et al.	D575,059 S	8/2008	Cappiello et al.
D490,980 S	6/2004	Concari	7,415,794 B1	8/2008	Thompson
D491,797 S	6/2004	Eriksson	7,418,311 B1	8/2008	Lagassey et al.
D492,184 S	6/2004	Parker et al.	D578,758 S	10/2008	Stevens et al.
6,755,448 B2	6/2004	Jackson et al.	D579,202 S	10/2008	Grenier et al.
D493,286 S	7/2004	Concari	7,434,410 B2	10/2008	Ford
6,757,942 B2	7/2004	Matsui et al.	7,441,641 B2	10/2008	Beakey
6,761,366 B1	7/2004	Klemmensen et al.	D581,161 S	11/2008	Tong
6,779,681 B2	8/2004	Doerfler et al.	D582,678 S	12/2008	Rekuc et al.
6,789,692 B2	9/2004	Prezelin	7,458,481 B2	12/2008	Yuen
6,793,096 B1	9/2004	Seok	7,461,871 B2	12/2008	Vauchel
D497,480 S	10/2004	Drew et al.	7,475,782 B2	1/2009	Lombardi
D498,053 S	11/2004	Nordstrom et al.	D587,902 S	3/2009	Yoneno
D498,054 S	11/2004	Moon	7,503,439 B2	3/2009	O'Shea et al.
6,821,019 B2	11/2004	Mogil	D590,694 S	4/2009	Stuckey
D500,598 S	1/2005	Ramos	7,516,520 B2	4/2009	Kelagher et al.
6,864,185 B2	3/2005	Yang	7,516,842 B2	4/2009	Gu
6,877,189 B2	4/2005	Simonson et al.	D591,511 S	5/2009	Wu
6,883,208 B1	4/2005	Huang	7,530,405 B2	5/2009	Kollath et al.
D505,011 S	5/2005	Einav	7,533,782 B2	5/2009	Parker et al.
6,895,789 B2	5/2005	Masseth, Jr. et al.	7,540,364 B2	6/2009	Sanderson
D508,376 S	8/2005	Bhavnani	7,549,652 B2	6/2009	Wu
6,929,145 B2	8/2005	Shepler	D596,400 S	7/2009	Chu et al.
6,955,381 B2	10/2005	Parker et al.	D597,652 S	8/2009	Tang
6,960,735 B2	11/2005	Hein et al.	7,568,739 B2	8/2009	Lee
6,981,780 B2	1/2006	Einav	7,571,915 B1	8/2009	Simmons
6,983,946 B2	1/2006	Sullivan et al.	D600,912 S	9/2009	Brunner
D515,362 S	2/2006	Chan	7,581,656 B2	9/2009	Gnepper et al.
D517,947 S	3/2006	Hollingworth et al.	D602,252 S	10/2009	Ehret
7,017,740 B2	3/2006	Itzkovitch	7,604,290 B1	10/2009	Giordano
7,028,730 B2	4/2006	Pace et al.	7,607,540 B2	10/2009	Ballard
D520,237 S	5/2006	Cheng	D603,165 S	11/2009	Losiewicz
7,040,115 B1	5/2006	Lopez et al.	D605,896 S *	12/2009	Zalewski D7/553.1
D522,751 S *	6/2006	Irwin D3/315	D607,697 S	1/2010	Whitlock et al.
D522,811 S	6/2006	Martinez et al.	D608,159 S	1/2010	Whitlock et al.
D523,242 S	6/2006	Hardigg et al.	D608,601 S	1/2010	Whitlock et al.
7,066,311 B2	6/2006	O'Shea	D610,349 S	2/2010	Ehret
D525,714 S	7/2006	Ueda	7,658,269 B2	2/2010	Wu
7,082,641 B1	8/2006	Jung et al.	7,669,436 B2	3/2010	Mogil et al.
7,093,699 B2	8/2006	Yu	7,688,584 B1	3/2010	Becklin
D528,800 S	9/2006	Liu et al.	D613,560 S	4/2010	Robichaud et al.
D530,095 S	10/2006	Herzberg	D614,404 S *	4/2010	Brunner D3/304
7,162,890 B2	1/2007	Mogil et al.	7,703,588 B2	4/2010	Chiang
D537,251 S	2/2007	Musgrove	7,722,204 B1	5/2010	Sandberg
7,171,731 B1	2/2007	Borcherding	D617,561 S	6/2010	Salemo-Tortora
D539,543 S	4/2007	Wu	7,735,261 B2	6/2010	Sellati
D540,540 S	4/2007	Szyf et al.	D618,966 S	7/2010	Koehler et al.
D540,651 S	4/2007	Wolf	D619,423 S	7/2010	Koehler et al.
D540,652 S	4/2007	Wolf	D619,854 S	7/2010	Koehler et al.
D544,211 S	6/2007	Herzberg	D619,855 S	7/2010	Koehler et al.
7,237,660 B2	7/2007	Wu	7,748,232 B2	7/2010	Kang
			D624,315 S	9/2010	Amatrudo
			7,806,287 B2	10/2010	Rouns
			D626,451 S	11/2010	Helwig et al.
			D627,162 S	11/2010	Weng

(56)

References Cited

U.S. PATENT DOCUMENTS

D627,199 S	11/2010	Pruchnicki	D685,186 S	7/2013	Massaud
7,841,207 B2	11/2010	Mogil et al.	8,484,813 B2	7/2013	Taniguchi et al.
D629,200 S	12/2010	Turella-Yuan et al.	8,490,413 B2	7/2013	Blackway et al.
7,854,321 B2	12/2010	Twig et al.	8,496,133 B2	7/2013	Mizukoshi et al.
D630,435 S	1/2011	Brunner	D688,589 S *	8/2013	Hung D11/148
7,861,552 B1	1/2011	Hughes	8,505,729 B2	8/2013	Sosnovsky et al.
7,861,834 B2	1/2011	Gorga et al.	8,517,211 B2	8/2013	Brown et al.
7,874,047 B2	1/2011	Breeden	D688,920 S	9/2013	Manley et al.
7,874,408 B2	1/2011	Suppangig	D690,939 S *	10/2013	Lintz D3/313
D633,300 S	3/2011	Fair	D691,808 S	10/2013	Wu
D634,545 S	3/2011	Fair	8,544,648 B2	10/2013	Cleveland et al.
7,909,148 B1	3/2011	Miller et al.	8,561,264 B2	10/2013	Hasegawa et al.
D635,366 S	4/2011	Luburic	8,561,269 B2	10/2013	LeCompte et al.
D636,292 S	4/2011	Brown	8,567,631 B2	10/2013	Brunner
7,922,052 B2	4/2011	Podschus	8,567,796 B2	10/2013	Bar-Erez et al.
D637,811 S	5/2011	Hong	8,572,821 B2	11/2013	Hasegawa
7,937,884 B1	5/2011	Naylor et al.	8,573,399 B2	11/2013	Ulmer et al.
7,959,194 B2	6/2011	Mahoney	8,590,704 B2	11/2013	Koenig et al.
D642,379 S	8/2011	Buller	8,590,724 B2	11/2013	Kreidler et al.
D643,624 S	8/2011	Hong	8,596,485 B2	12/2013	Lindsay
D643,629 S	8/2011	Sofy et al.	8,596,487 B1	12/2013	Su
7,997,591 B2	8/2011	Arthur	8,601,838 B2	12/2013	Hansen et al.
D644,434 S	9/2011	Miles et al.	8,616,600 B2	12/2013	Owen
8,016,153 B2	9/2011	Boenig et al.	D697,717 S	1/2014	Santy
D646,528 S	10/2011	Stallman et al.	8,622,235 B2	1/2014	Suchecki
8,037,983 B2	10/2011	Leung	8,627,972 B2	1/2014	Thomas
D648,538 S	11/2011	Reinhart et al.	D699,100 S	2/2014	Moreau et al.
D649,786 S *	12/2011	Lipfert D3/308	D699,438 S	2/2014	Mathieu et al.
D650,585 S	12/2011	Jamison et al.	8,640,937 B2	2/2014	Pruchnicki
D651,860 S	1/2012	Nie	8,677,661 B2	3/2014	Michels et al.
D652,216 S	1/2012	Fair	8,678,227 B2	3/2014	Patstone
8,091,731 B2	1/2012	Kidd et al.	D701,697 S	4/2014	Sabbag et al.
8,096,152 B2	1/2012	Wagh et al.	D703,435 S	4/2014	Wile et al.
8,096,442 B2	1/2012	Ramundi	8,683,660 B2	4/2014	Hasegawa et al.
8,099,836 B2	1/2012	Breeden et al.	8,689,396 B2	4/2014	Wolfe et al.
D654,694 S	2/2012	Wu	D704,935 S *	5/2014	Lintz D3/308
8,141,211 B2	3/2012	Weyer et al.	8,714,568 B2	5/2014	Allam et al.
D659,395 S	5/2012	Sijmons	8,740,010 B1	6/2014	Page
D660,000 S	5/2012	Peterson et al.	8,757,642 B2	6/2014	Arthur et al.
3,167,166 A1	5/2012	Kidd et al.	8,757,643 B2	6/2014	Arthur et al.
8,176,749 B2	5/2012	LaMere et al.	8,757,696 B2	6/2014	Schneider
8,191,747 B2	6/2012	Pruchnicki	D709,336 S	7/2014	Liebenthal
8,210,353 B2	7/2012	Epicureo	D709,696 S	7/2014	Wu
8,214,972 B2	7/2012	Lai	8,763,848 B2	7/2014	Carey
D664,891 S	8/2012	Takeda	8,763,851 B2	7/2014	Jiang et al.
D665,166 S	8/2012	Khalifa et al.	8,770,426 B2	7/2014	Amett et al.
D666,002 S	8/2012	Lai	8,777,045 B2	7/2014	Mitchell et al.
8,245,868 B2	8/2012	Ikeda et al.	D710,099 S	8/2014	Horovitz et al.
8,251,113 B2	8/2012	Baxter	D710,610 S	8/2014	Sijmons et al.
8,251,245 B2	8/2012	DiPietro et al.	D710,614 S	8/2014	Meersschaert
D666,831 S	9/2012	Kinsky et al.	D711,104 S	8/2014	Lai
D666,832 S	9/2012	Kinsky et al.	D711,646 S	8/2014	Ke
D667,697 S	9/2012	Shah	D711,647 S	8/2014	Chen
8,256,156 B1	9/2012	Burgoyne, Jr.	D711,648 S	8/2014	Chen
D668,049 S	10/2012	Buller	D711,649 S	8/2014	Chen
8,286,828 B2	10/2012	Schafer	D712,143 S	9/2014	Chehebar
8,287,009 B2	10/2012	Dane et al.	D714,056 S	9/2014	Weng
8,292,119 B2	10/2012	Kenneally	D714,057 S	9/2014	Hou
8,297,464 B2	10/2012	Grenier et al.	D714,064 S	9/2014	Kim
D670,502 S	11/2012	Wu	8,844,749 B2	9/2014	Manahan et al.
8,336,708 B2	12/2012	Potterfield et al.	8,844,950 B2	9/2014	Greene et al.
D674,192 S	1/2013	Li	8,850,666 B2	10/2014	Hasegawa et al.
8,342,580 B2	1/2013	Cowie et al.	8,851,282 B2	10/2014	Brunner
8,378,323 B1	2/2013	Spann et al.	8,851,289 B2	10/2014	Shi
8,382,171 B2	2/2013	Williams	8,857,654 B2	10/2014	Mogil et al.
D677,896 S	3/2013	Wu	8,863,975 B2	10/2014	McCanless
D678,749 S	3/2013	Tung	8,864,189 B2	10/2014	Fournie et al.
D678,750 S	3/2013	Tung	D717,152 S	11/2014	Weinerman et al.
8,424,930 B2	4/2013	Matsubara et al.	D718,051 S	11/2014	Frahm et al.
8,430,284 B2	4/2013	Broadbent et al.	8,875,877 B2	11/2014	Cottle et al.
D681,337 S	5/2013	Wu	8,875,888 B2	11/2014	Koenig et al.
8,459,058 B2	6/2013	Mogil	8,875,934 B2	11/2014	Deka
8,459,422 B1	6/2013	Efron	8,881,930 B2	11/2014	Banik
8,459,487 B2	6/2013	Sharma et al.	8,887,515 B2	11/2014	Patstone
8,459,495 B2	6/2013	Koenig et al.	D718,936 S	12/2014	Sanz et al.
			D719,351 S	12/2014	Hailwood
			8,905,412 B2	12/2014	Fux
			8,910,788 B2	12/2014	Roach et al.
			8,910,819 B2	12/2014	Seiders

(56)

References Cited

U.S. PATENT DOCUMENTS

8,919,596 B2	12/2014	Carino	D752,862 S	4/2016	Riddiford et al.
D720,536 S	1/2015	Hsu	9,307,840 B2	4/2016	Restrepo et al.
D720,599 S	1/2015	Weinerman et al.	9,322,192 B2	4/2016	Burd
D720,928 S	1/2015	Roncato	D755,518 S	5/2016	Sijmons
8,925,752 B2	1/2015	Smith	9,327,887 B2	5/2016	Farentinos et al.
D722,771 S	2/2015	Wu	9,340,224 B2	5/2016	Yoder et al.
D722,860 S	2/2015	Linares	9,341,003 B2	5/2016	Ely et al.
8,944,476 B1	2/2015	Henderson	9,341,403 B2	5/2016	Conrad et al.
8,960,430 B2	2/2015	Roach et al.	9,346,616 B2	5/2016	Foster
D724,323 S	3/2015	Wang	9,351,550 B2	5/2016	Arthur et al.
8,979,100 B2	3/2015	Bensman et al.	D759,971 S	6/2016	Riddiford et al.
8,979,101 B2	3/2015	Primiano	9,359,798 B2	6/2016	Greenwood et al.
8,979,144 B2	3/2015	Paugh et al.	9,376,050 B1	6/2016	Gill
8,985,326 B2	3/2015	Halsne et al.	9,387,963 B2	7/2016	McBroom et al.
8,985,385 B2	3/2015	Parker et al.	9,393,684 B2	7/2016	Christopher et al.
D725,907 S	4/2015	Yu	D762,471 S	8/2016	Green et al.
D727,620 S	4/2015	Fonelli	D762,977 S	8/2016	Ku
9,004,274 B2	4/2015	Thornberg	9,408,449 B1	8/2016	Tsai
9,004,548 B2	4/2015	Joret et al.	9,415,787 B2	8/2016	Mericle
D728,933 S	5/2015	Sanz et al.	9,427,058 B2	8/2016	Boglione
D730,050 S	5/2015	Hogan et al.	D765,397 S	9/2016	Reinhart
9,027,751 B2	5/2015	Lee	D765,406 S	9/2016	Faibish
D730,716 S	6/2015	Weinerman et al.	D765,407 S	9/2016	Reinhart
D731,250 S	6/2015	Butler et al.	D765,408 S	9/2016	Reinhart
D732,348 S	6/2015	Seiders et al.	D765,409 S	9/2016	Reinhart
D732,349 S	6/2015	Seiders et al.	D765,410 S	9/2016	Reinhart
D732,350 S	6/2015	Seiders et al.	D765,411 S	9/2016	Reinhart
D732,823 S	6/2015	Baron	D765,973 S	9/2016	Tonelli et al.
D732,899 S	6/2015	Seiders et al.	D767,277 S	9/2016	Faibish
D732,923 S	6/2015	Rechberg et al.	9,435,578 B2	9/2016	Calderon et al.
9,045,264 B2	6/2015	Pils	9,443,366 B2	9/2016	Rayner
9,060,577 B2	6/2015	Farrelly et al.	D768,464 S	10/2016	Hatton
9,067,081 B2	6/2015	Roach et al.	9,468,277 B2	10/2016	King
D734,742 S	7/2015	Fujioka	D770,179 S	11/2016	Menirom
9,079,595 B2	7/2015	Chen et al.	D771,381 S	11/2016	Sosnovsky et al.
9,085,403 B2	7/2015	Roach et al.	D772,577 S	11/2016	Muchin et al.
9,101,186 B2	8/2015	Lai	D773,821 S	12/2016	Reinhart
9,108,772 B2	8/2015	Hovatter	D773,901 S	12/2016	Marret
9,113,686 B1	8/2015	Bishop	9,511,491 B2	12/2016	Brunner
9,114,909 B2	8/2015	Wagner	D776,429 S	1/2017	Zagorski et al.
D738,702 S	9/2015	Linares	D776,932 S	1/2017	Reinhart
9,139,352 B2	9/2015	Seiders et al.	D776,934 S	1/2017	Braendle
D740,557 S	10/2015	Liao	D777,441 S	1/2017	Li
D740,558 S	10/2015	Liao	D777,530 S	1/2017	Marret
D741,064 S	10/2015	Ramos	D778,054 S	2/2017	Li
D741,600 S	10/2015	Della Vecchia	D778,707 S	2/2017	Fonelli
9,163,871 B1	10/2015	Costello	D779,201 S	2/2017	Beilman et al.
9,169,678 B2	10/2015	Rozema	9,566,704 B1	2/2017	Stoikos et al.
D743,171 S	11/2015	Reinhart	9,567,784 B2	2/2017	Defrance et al.
9,187,210 B2	11/2015	Zhu et al.	D780,523 S	3/2017	Jacobsen
9,193,060 B2	11/2015	Ben-Gigi	D780,524 S	3/2017	Jacobsen
D744,750 S	12/2015	Sabbag et al.	D780,525 S	3/2017	Jacobsen
9,198,492 B2	12/2015	Chehebar	D784,017 S	4/2017	Hsieh
9,199,370 B2	12/2015	Crull	9,622,547 B2	4/2017	Seader
9,199,657 B2	12/2015	Martin	D785,937 S	5/2017	Morszeck
9,204,699 B2	12/2015	Pickens et al.	D786,561 S	5/2017	Seiders et al.
9,205,551 B2	12/2015	Green et al.	9,637,294 B2	5/2017	Kinskey
9,211,040 B2	12/2015	Lane	9,655,418 B2	5/2017	Chien et al.
9,215,918 B2	12/2015	Kao et al.	D788,460 S	6/2017	Morszeck
D747,639 S	1/2016	Linares	D788,461 S	6/2017	Fonelli
D747,950 S	1/2016	Jacobsen et al.	D789,690 S *	6/2017	Foley D3/310
D747,951 S	1/2016	Jacobsen et al.	9,669,986 B1	6/2017	Evans
9,233,465 B2	1/2016	Lai	D792,094 S	7/2017	Stoikos et al.
D748,452 S	2/2016	Jacobsen et al.	D792,105 S	7/2017	Reinhart
9,248,566 B2	2/2016	Horiyama et al.	D793,089 S	8/2017	Jackson
9,254,901 B2	2/2016	Gill	D796,199 S	9/2017	Law
9,259,090 B1	2/2016	Cronin	D796,838 S	9/2017	Sijmons et al.
9,259,593 B2	2/2016	Roach et al.	D797,518 S	9/2017	Pavia, III
9,259,828 B2	2/2016	Bermes	9,770,084 B1	9/2017	Shiekh
9,266,462 B2	2/2016	Miller	9,809,376 B2	11/2017	Mitchell et al.
D750,953 S	3/2016	Jacobsen et al.	D804,819 S	12/2017	Faibish et al.
D752,344 S	3/2016	Green	D805,772 S	12/2017	Oshima
9,272,820 B2	3/2016	Cowie	D805,851 S	12/2017	Sullivan et al.
9,278,704 B2	3/2016	Cates	9,839,272 B2	12/2017	Licciardino
9,290,297 B2	3/2016	Overath	9,848,681 B1	12/2017	Chen
			9,849,901 B2	12/2017	Jackman
			D806,483 S	1/2018	Stanford et al.
			D807,123 S	1/2018	Carey et al.
			D807,124 S	1/2018	Carey et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

D808,164 S	1/2018	Summers	D842,048 S	3/2019	Wells
D808,653 S	1/2018	Rayeski et al.	D843,114 S	3/2019	Sanz
D808,655 S	1/2018	Seiders et al.	D844,325 S	4/2019	Nelson
D808,730 S	1/2018	Sullivan et al.	D844,386 S	4/2019	Ahlstrom et al.
9,878,841 B2	1/2018	Holderness et al.	10,272,934 B2	4/2019	DeFrancia
D809,293 S	2/2018	Virassamy et al.	D848,219 S	5/2019	Munie et al.
D809,295 S	2/2018	Ehret	D848,220 S	5/2019	Munie et al.
D810,432 S	2/2018	Ballou et al.	D848,221 S	5/2019	Munie et al.
D810,433 S	2/2018	Ballou et al.	D848,222 S	5/2019	Munie et al.
D810,434 S	2/2018	Xu	D848,223 S	5/2019	Munie et al.
D811,084 S	2/2018	Ballou et al.	D848,744 S	5/2019	Axelbaum
D811,090 S	2/2018	Karl	D848,798 S	5/2019	Munie et al.
9,883,724 B2	2/2018	Woode	D849,486 S	5/2019	Munie et al.
9,894,971 B2	2/2018	Scicluna et al.	10,292,473 B2	5/2019	Meersschaert
9,901,153 B2	2/2018	Nash	D850,796 S	6/2019	Ricca
D811,742 S	3/2018	Ballou et al.	D851,401 S	6/2019	Zhang
D811,744 S	3/2018	Ballou et al.	10,314,377 B2	6/2019	Stephens
D812,909 S	3/2018	Morszeck	D853,729 S	7/2019	Axelbaum
9,913,518 B2	3/2018	Su	D854,826 S	7/2019	Tonelli
D814,187 S	4/2018	Caglar	10,334,935 B2	7/2019	Chung
D815,831 S	4/2018	Fonelli	10,350,746 B2	7/2019	Martinez et al.
D815,919 S	4/2018	DeFrancia	10,351,330 B2	7/2019	Smith et al.
D816,337 S	5/2018	Cheng	10,357,874 B2	7/2019	Engvall et al.
D816,492 S	5/2018	Reinhart	D857,386 S	8/2019	Shpitzer
D817,722 S	5/2018	Bradley	10,376,031 B1	8/2019	Majhess
D818,712 S	5/2018	Fleming et al.	10,378,569 B2	8/2019	Jensen et al.
9,968,170 B2	5/2018	Morszeck	D859,842 S	9/2019	Frank
D819,331 S	6/2018	Ballou et al.	D860,789 S	9/2019	Rayeski et al.
D820,049 S	6/2018	Ahlstrom et al.	10,399,748 B2	9/2019	Reinhart
9,999,284 B1	6/2018	Tan	10,401,075 B2	9/2019	Bond
D821,824 S	7/2018	Rane et al.	D861,535 S	10/2019	Venables
D821,825 S	7/2018	Sullivan et al.	10,443,918 B2	10/2019	Li et al.
D823,065 S	7/2018	Eichinger et al.	D869,160 S	12/2019	Seiders et al.
D824,168 S	7/2018	Morszeck	D869,244 S	12/2019	Ellison et al.
D824,674 S *	8/2018	Seiders D3/310	D869,848 S	12/2019	Wu
D824,731 S	8/2018	Sullivan et al.	D872,478 S	1/2020	Seiders et al.
10,058,151 B2	8/2018	Morszeck	D872,485 S	1/2020	Seiders et al.
D827,304 S	9/2018	Tao	D873,020 S	1/2020	Seiders et al.
D828,028 S	9/2018	Seiders et al.	D873,024 S	1/2020	Usui
D828,029 S	9/2018	Seiders et al.	10,568,395 B2	2/2020	Hayashi
D828,108 S	9/2018	Bowling	10,568,400 B2	2/2020	Shechter et al.
D828,112 S	9/2018	Furieux et al.	D876,833 S	3/2020	Brunner et al.
D829,244 S	9/2018	Sullivan et al.	D876,835 S *	3/2020	Libman D3/310
10,080,412 B2	9/2018	Hartmann et al.	D878,054 S	3/2020	Reinhart et al.
D830,132 S	10/2018	Sullivan et al.	10,595,608 B2	3/2020	Korey et al.
D830,133 S	10/2018	Sullivan et al.	D881,578 S	4/2020	Prommel et al.
D830,134 S	10/2018	Sullivan et al.	D882,266 S	4/2020	Prommel et al.
10,086,745 B2	10/2018	Gill	D882,267 S	4/2020	Prommel et al.
10,088,144 B1	10/2018	Sandberg	D887,789 S	6/2020	Seiders et al.
D832,653 S	11/2018	Waskow et al.	D912,983 S	3/2021	Newson
10,124,742 B2	11/2018	Martinez et al.	D915,069 S	4/2021	Fonelli
10,138,048 B2	11/2018	Mitchell et al.	2002/0024189 A1	2/2002	Chen
D834,819 S	12/2018	Burek et al.	2002/0038745 A1	4/2002	Lamming
D835,470 S	12/2018	Seiders et al.	2002/0074332 A1	6/2002	Sagol
D835,472 S	12/2018	Seiders et al.	2002/0162841 A1	11/2002	Shamir et al.
D835,473 S	12/2018	Jacobsen	2002/0185871 A1	12/2002	Straka
D835,946 S	12/2018	Seiders et al.	2002/0195827 A1	12/2002	Jackson et al.
10,143,282 B2	12/2018	Seiders et al.	2003/0019705 A1	1/2003	Lau
10,159,312 B2	12/2018	Ito	2003/0038007 A1	2/2003	Han
10,160,471 B2	12/2018	Yahav et al.	2003/0038142 A1	2/2003	Gee
D836,993 S	1/2019	Meda et al.	2003/0106821 A1	6/2003	Bar-Erez
D836,996 S	1/2019	Jacobsen	2003/0111476 A1	6/2003	Serio
D836,997 S	1/2019	Jacobsen	2003/0136702 A1	7/2003	Redzisz et al.
D836,998 S	1/2019	Jacobsen	2004/0007604 A1	1/2004	Plzak
D836,999 S	1/2019	Jacobsen	2004/0016854 A1	1/2004	Hart
D837,001 S	1/2019	Jacobsen	2004/0025306 A1	2/2004	Coffey
D837,515 S	1/2019	Shpitzer	2004/0040967 A1	3/2004	Eiskant et al.
D837,611 S	1/2019	Lane et al.	2004/0163910 A1	8/2004	Lee
D838,208 S	1/2019	Hirabayashi et al.	2004/0178208 A1	9/2004	Leba et al.
D838,983 S	1/2019	Seiders et al.	2004/0238543 A1	12/2004	Askew
D838,984 S	1/2019	Seiders et al.	2004/0246695 A1	12/2004	Schlack
D839,094 S	1/2019	Giraud et al.	2004/0262319 A1	12/2004	Fisher
D839,682 S	2/2019	Jacobsen	2005/0023096 A1	2/2005	Firamani
D840,150 S	2/2019	Seiders et al.	2005/0099019 A1	5/2005	Hall et al.
D840,194 S	2/2019	Furieux et al.	2005/0103813 A1	5/2005	Edwards
			2005/0139741 A1	6/2005	Yuen
			2005/0150892 A1	7/2005	Miller
			2005/0180835 A1	8/2005	Schneider
			2005/0199628 A1	9/2005	Van Handel et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2005/0217071	A1	10/2005	Shinner	2011/0220531	A1	9/2011	Meether et al.
2005/0258610	A1	11/2005	Stone et al.	2011/0226003	A1	9/2011	Chaney et al.
2005/0279123	A1	12/2005	Maldonado et al.	2011/0226785	A1	9/2011	Sakell
2006/0011641	A1	1/2006	Sanderson	2012/0024896	A1	2/2012	Scobey et al.
2006/0017293	A1	1/2006	Tonelli	2012/0103740	A1	5/2012	Moussatche et al.
2006/0037178	A1	2/2006	Sulhoff	2012/0104012	A1	5/2012	Cowie et al.
2006/0037824	A1	2/2006	Park et al.	2012/0168444	A1	7/2012	Shitrit et al.
2006/0042897	A1	3/2006	Sanderson	2012/0193353	A1	8/2012	Cronin et al.
2006/0049640	A1	3/2006	Lee	2012/0267208	A1	10/2012	D'Angelo
2006/0180422	A1	8/2006	Lin	2012/0273506	A1	11/2012	Adams et al.
2006/0196218	A1	9/2006	Mogil et al.	2012/0286489	A1	11/2012	Bartholomew
2006/0213736	A1	9/2006	Godshaw	2012/0312708	A1	12/2012	Roehm et al.
2006/0213941	A1	9/2006	Sweeney	2013/0068579	A1	3/2013	Mathieu et al.
2006/0225981	A1	10/2006	Lin	2013/0140120	A1	6/2013	Rasmussen
2006/0249412	A1	11/2006	Hernandez et al.	2013/0168196	A1	7/2013	Stanley
2006/0249522	A1	11/2006	Ringo	2013/0175130	A1	7/2013	Liang
2006/0276768	A1	12/2006	Miller et al.	2013/0175276	A1	7/2013	Gleichauf et al.
2007/0039957	A1	2/2007	Shulz et al.	2013/0248390	A1	9/2013	Roehm et al.
2007/0101754	A1	5/2007	Maldonado	2013/0284619	A1	10/2013	Daley
2007/0175898	A1	8/2007	Craft et al.	2013/0292220	A1	11/2013	Kerley
2007/0235452	A1	10/2007	Killinger et al.	2013/0292221	A1	11/2013	Ryan et al.
2007/0261977	A1	11/2007	Sakai	2013/0307214	A1	11/2013	Groller et al.
2008/0001373	A1	1/2008	Vaughn	2014/0027454	A1	1/2014	Banik
2008/0029528	A1	2/2008	Mireault	2014/0062042	A1	3/2014	Wagner et al.
2008/0042460	A1	2/2008	Fuchs	2014/0069832	A1	3/2014	Roehm
2008/0067095	A1	3/2008	Mueller	2014/0130310	A1	5/2014	Roth
2008/0067206	A1	3/2008	Kuhn	2014/0137370	A1	5/2014	Lo et al.
2008/0078637	A1	4/2008	Su	2014/0138384	A1	5/2014	O'Brien
2008/0078682	A1	4/2008	Clark et al.	2014/0151388	A1	6/2014	Culeron et al.
2008/0110892	A1	5/2008	House	2014/0158028	A1	6/2014	Adams
2008/0116215	A1	5/2008	Chuang	2014/0166516	A1	6/2014	Martinez et al.
2008/0128428	A1	6/2008	Beckerman	2014/0197059	A1	7/2014	Evans et al.
2008/0156858	A1	7/2008	Perry et al.	2014/0251864	A1	9/2014	Voeller
2008/0170388	A1	7/2008	Greil	2014/0252010	A1	9/2014	Miller
2008/0190940	A1	8/2008	Scott	2014/0265197	A1	9/2014	Russell et al.
2008/0196650	A1	8/2008	Fernung	2014/0271095	A1	9/2014	Umans et al.
2008/0230339	A1	9/2008	Pereira	2014/0284158	A1	9/2014	Reid
2008/0245095	A1	10/2008	Schlipman et al.	2014/0284243	A1	9/2014	Fucker
2008/0257775	A1	10/2008	Randolph	2014/0311361	A1	10/2014	Wangler
2008/0264946	A1	10/2008	Moschella et al.	2014/0311844	A1	10/2014	Meersschaert et al.
2009/0009039	A1	1/2009	Mayes, Jr.	2014/0319147	A1	10/2014	Horovitz et al.
2009/0014974	A1	1/2009	VanVORST et al.	2015/0021132	A1	1/2015	Sijmons et al.
2009/0033110	A1	2/2009	Fragale	2015/0027835	A1	1/2015	Moon
2009/0049859	A1	2/2009	Moon	2015/0034515	A1	2/2015	Monyak et al.
2009/0078593	A1	3/2009	Patstone	2015/0069962	A1	3/2015	Dietzel et al.
2009/0080809	A1	3/2009	Pham et al.	2015/0089903	A1	4/2015	Carey
2009/0101460	A1	4/2009	Justham et al.	2015/0090551	A1	4/2015	Sikka
2009/0114646	A1	5/2009	Whalen	2015/0114024	A1	4/2015	Grepper
2009/0114653	A1	5/2009	Schenker	2015/0129569	A1	5/2015	Miller
2009/0120126	A1	5/2009	Mew	2015/0150347	A1	6/2015	Scicluna
2009/0158770	A1	6/2009	Cohrs et al.	2015/0175338	A1	6/2015	Culp et al.
2009/0173744	A1	7/2009	Hassell	2015/0189963	A1	7/2015	Lai et al.
2009/0194541	A1	8/2009	Mayo	2015/0190920	A1	7/2015	Karlsson et al.
2009/0277905	A1	11/2009	Gillan	2015/0208779	A1	7/2015	Fong
2010/0001013	A1	1/2010	Sommerfeld	2015/0209226	A1	7/2015	Priebe et al.
2010/0072215	A1	3/2010	Coon	2015/0233630	A1	8/2015	Bond
2010/0078451	A1	4/2010	Mount	2015/0292840	A1	10/2015	Tobin
2010/0108556	A1	5/2010	Claffy	2015/0296945	A1	10/2015	Douglas
2010/0133132	A1	6/2010	Allan	2015/0315532	A1	11/2015	Bergbohm et al.
2010/0200784	A1	8/2010	Turner	2015/0352709	A1	12/2015	Diamond
2010/0258576	A1	10/2010	Marquez	2015/0375558	A1	12/2015	Ben-Or
2010/0275642	A1	11/2010	Klettner	2015/0375918	A1	12/2015	Holderness et al.
2011/0016911	A1	1/2011	Mosby	2016/0023837	A1	1/2016	Furneaux et al.
2011/0064332	A1	3/2011	Piazza et al.	2016/0046417	A1	2/2016	Kromer
2011/0114526	A1	5/2011	Neumann et al.	2016/0052682	A1	2/2016	Gunnerson et al.
2011/0119986	A1	5/2011	Sellers	2016/0083186	A1	3/2016	Wright
2011/0121002	A1	5/2011	Stiller	2016/0084454	A1	3/2016	Svitak, Sr. et al.
2011/0127264	A1	6/2011	Whalen	2016/0091239	A1	3/2016	Beland
2011/0132046	A1	6/2011	Fonelli	2016/0135563	A1	5/2016	Truong
2011/0181008	A1	7/2011	Bensman et al.	2016/0138809	A1	5/2016	Colucci et al.
2011/0182532	A1	7/2011	Baltus	2016/0150862	A1	6/2016	Tonelli
2011/0186396	A1	8/2011	Sheikh	2016/0166024	A1	6/2016	Lai
2011/0186398	A1	8/2011	Sheikh	2016/0183651	A1	6/2016	Tonelli
2011/0197625	A1	8/2011	Urban et al.	2016/0244209	A1	8/2016	Hain
2011/0203328	A1	8/2011	Vilkomirski et al.	2016/0251124	A1	9/2016	Arnold et al.
				2016/0279840	A1	9/2016	French et al.
				2017/0079398	A1	3/2017	Reh et al.
				2017/0082342	A1	3/2017	Weinberg et al.
				2017/0108260	A1	4/2017	Ansted et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2017/0127782 A1 5/2017 Korey et al.
 2017/0165829 A1 6/2017 Damberg
 2017/0173781 A1 6/2017 Damberg
 2017/0215537 A1 8/2017 Yu
 2017/0290400 A1 10/2017 Thomas
 2017/0347765 A1 12/2017 Jackson et al.
 2018/0035775 A1 2/2018 Haimoff
 2018/0037394 A1 2/2018 Seiders et al.
 2018/0078008 A1 3/2018 Sturm
 2018/0087819 A1 3/2018 Triska et al.
 2018/0141718 A1 5/2018 Ahlstrom et al.
 2018/0194533 A1 7/2018 Bramwell
 2018/0335241 A1 11/2018 Li et al.
 2018/0339820 A1 11/2018 Reinhart et al.
 2018/0354687 A1 12/2018 Seiders et al.
 2019/0008254 A1 1/2019 Newson
 2019/0092530 A1 3/2019 Seiders et al.
 2019/0170422 A1 6/2019 Dexter
 2019/0234671 A1 8/2019 Stanford et al.
 2019/0256119 A1 8/2019 Brilhante et al.
 2019/0271433 A1 9/2019 Tonelli
 2020/0037719 A1 2/2020 Jaworski et al.
 2020/0039056 A1 2/2020 Damberg
 2020/0060400 A1 2/2020 Glaser
 2020/0061802 A1 2/2020 Samsel et al.
 2020/0062454 A1 2/2020 Duong et al.
 2020/0086905 A1 3/2020 Yao et al.
 2020/0217576 A1 7/2020 Guan et al.

FOREIGN PATENT DOCUMENTS

BR 202015031355 U2 6/2017
 CA 60997 A 8/1898
 CA 72336 A 7/1901
 CA 72337 A 7/1901
 CA 72338 A 7/1901
 CA 73327 A 10/1901
 CA 77273 A 9/1902
 CA 81456 A 6/1903
 CA 152411 A 12/1913
 CA 175930 A 3/1917
 CA 175939 A 3/1917
 CA 2624994 A1 5/2000
 CA 89737 A 6/2000
 CA 2483772 A1 4/2005
 CA 2633223 A1 12/2009
 CA 2635328 A1 12/2009
 CA 2782668 A1 12/2013
 CH 365631 A 11/1962
 CN 2073459 U 3/1991
 CN 2132145 Y 5/1993
 CN 1112819 A 12/1995
 CN 2515999 Y 10/2002
 CN 2549792 Y 5/2003
 CN 1457237 A 11/2003
 CN 2664452 Y 12/2004
 CN 3498732 1/2006
 CN 3498735 1/2006
 CN 2813823 Y 9/2006
 CN 300690540 9/2007
 CN 300690541 9/2007
 CN 201076126 Y 6/2008
 CN 300854008 12/2008
 CN 300856959 12/2008
 CN 300918117 5/2009
 CN 301150817 3/2010
 CN 301189065 5/2010
 CN 201691232 U 1/2011
 CN 301548656 5/2011
 CN 301620134 7/2011
 CN 201919912 U 8/2011
 CN 201938601 U 8/2011
 CN 301711528 11/2011
 CN 301808188 1/2012
 CN 301950501 6/2012

CN 102626271 A 8/2012
 CN 302115731 10/2012
 CN 102805467 A 12/2012
 CN 202722894 U 2/2013
 CN 102948946 A 3/2013
 CN 202760445 U 3/2013
 CN 302365993 3/2013
 CN 202874104 U 4/2013
 CN 302425923 5/2013
 CN 302448361 6/2013
 CN 203182247 U 9/2013
 CN 203283617 U 11/2013
 CN 302631183 11/2013
 CN 203439475 U 2/2014
 CN 302811286 5/2014
 CN 302868078 7/2014
 CN 203789329 U 8/2014
 CN 203814784 U 9/2014
 CN 204032607 U 12/2014
 CN 104433073 A 3/2015
 CN 204245396 U 4/2015
 CN 303154464 4/2015
 CN 303186110 4/2015
 CN 303221245 5/2015
 CN 204409860 U 6/2015
 CN 303228513 6/2015
 CN 303228514 6/2015
 CN 303242426 6/2015
 CN 303251869 6/2015
 CN 303324038 8/2015
 CN 303333672 8/2015
 CN 201530103483 8/2015
 CN 303381343 9/2015
 CN 303390870 9/2015
 CN 303499903 12/2015
 CN 303546215 1/2016
 CN 201530438676 2/2016
 CN 201530438792 2/2016
 CN 105473462 A 4/2016
 CN 303630971 4/2016
 CN 303680031 5/2016
 CN 303680054 5/2016
 CN 303687108 6/2016
 CN 205521292 U 8/2016
 CN 303783877 8/2016
 CN 303799176 8/2016
 CN 201630123602 8/2016
 CN 303904119 11/2016
 CN 303918135 11/2016
 CN 205831341 U 12/2016
 CN 303982382 12/2016
 CN 303982387 12/2016
 CN 304000494 1/2017
 CN 304036742 2/2017
 CN 304036750 2/2017
 CN 304050612 2/2017
 CN 304068469 3/2017
 CN 304076890 3/2017
 CN 106551485 A 4/2017
 CN 304172638 6/2017
 CN 107125891 A 9/2017
 CN 107173938 A 9/2017
 CN 107307551 A 11/2017
 CN 107467837 A 12/2017
 CN 206702967 U 12/2017
 CN 304411334 12/2017
 CN 304411336 12/2017
 CN 304411337 12/2017
 CN 304411389 12/2017
 CN 304417314 12/2017
 CN 304423206 12/2017
 CN 304423258 12/2017
 CN 304423259 12/2017
 CN 304423260 12/2017
 CN 304423317 12/2017
 CN 206880270 U 1/2018
 CN 304461798 1/2018
 CN 107668874 A 2/2018
 CN 304532315 3/2018

(56)

References Cited

FOREIGN PATENT DOCUMENTS

CN	304532317	3/2018	CN	209719159	U	12/2019
CN	304532318	3/2018	CN	209732871	U	12/2019
CN	304532319	3/2018	CN	209788810	U	12/2019
CN	304539046	3/2018	CN	305476163		12/2019
CN	304555895	3/2018	CN	305488622		12/2019
CN	304562598	4/2018	CN	305499080		12/2019
CN	304569073	4/2018	CN	305518862		12/2019
CN	304569074	4/2018	CN	209931762	U	1/2020
CN	108078109	A 5/2018	CN	209965461	U	1/2020
CN	304645055	5/2018	CN	305527333		1/2020
CN	207428627	U 6/2018	CN	305533439		1/2020
CN	304653754	6/2018	CN	305533533		1/2020
CN	304660325	6/2018	CN	305533534		1/2020
CN	304660327	6/2018	CN	305533538		1/2020
CN	304660329	6/2018	CN	305533539		1/2020
CN	304660332	6/2018	CN	305540311		1/2020
CN	304692146	6/2018	CN	305547763		1/2020
CN	304701684	6/2018	CN	305547764		1/2020
CN	304749390	7/2018	CN	305547961		1/2020
CN	304764980	8/2018	CN	305556652		1/2020
CN	108497660	A 9/2018	CN	305563596		1/2020
CN	304823685	9/2018	CN	305571758		1/2020
CN	304823694	9/2018	CN	305571764		1/2020
CN	108608804	A 10/2018	CN	305577923		1/2020
CN	207949211	U 10/2018	CN	305577960		1/2020
CN	304836888	10/2018	CN	305578103		1/2020
CN	304854893	10/2018	CN	210076793	U	2/2020
CN	304862165	10/2018	CN	210114130	U	2/2020
CN	304862166	10/2018	CN	305584094		2/2020
CN	108741519	A 11/2018	CN	305584095		2/2020
CN	108783799	A 11/2018	CN	305584098		2/2020
CN	108835813	A 11/2018	CN	305605578		2/2020
CN	108835814	A 11/2018	CN	305614805		2/2020
CN	304877452	11/2018	CN	305621592		2/2020
CN	304900938	11/2018	CN	305621593		2/2020
CN	108945792	A 12/2018	CN	305629332		2/2020
CN	109043770	A 12/2018	CN	305635594		3/2020
CN	208192442	U 12/2018	CN	305636583		3/2020
CN	208192487	U 12/2018	CN	305639489		3/2020
CN	304970790	1/2019	CN	305642338		3/2020
CN	304995265	1/2019	CN	305642339		3/2020
CN	305641119	1/2019	CN	305642418		3/2020
CN	109303399	A 2/2019	DE	74708	C	4/1894
CN	305019548	2/2019	DE	2020368	A1	11/1971
CN	109431028	A 3/2019	DE	7502524	U	9/1975
CN	109497673	A 3/2019	DE	2939826	A1	4/1980
CN	208581902	U 3/2019	DE	3344410	A1	6/1985
CN	305050777	3/2019	DE	8620597	U1	9/1986
CN	305078423	3/2019	DE	9012845	U1	10/1990
CN	305078424	3/2019	DE	4042245	A1	7/1991
CN	305111950	4/2019	DE	9105033	U1	3/1992
CN	305181543	5/2019	DE	9408707	U1	9/1995
CN	305181544	5/2019	DE	29516306	U1	2/1997
CN	305184266	5/2019	DE	29815666	U1	11/1998
CN	305184268	5/2019	DE	19755532	A1	6/1999
CN	305191726	6/2019	DE	20312950	U1	10/2003
CN	305219344	6/2019	DE	20313077	U1	1/2004
CN	305242412	7/2019	DE	202004007996	U1	7/2004
CN	305242413	7/2019	DE	202004012191	U1	12/2004
CN	305283238	8/2019	DE	202004015475	U1	1/2005
CN	209403814	U 9/2019	DE	202004016959	U1	2/2005
CN	305347993	9/2019	DE	202005006105	U1	6/2005
CN	305359134	9/2019	DE	202005014773	U1	11/2005
CN	305359135	9/2019	DE	202006001888	U1	4/2006
CN	209528183	U 10/2019	DE	402010002800-0008		6/2010
CN	305398498	10/2019	DE	402010002800-0001		7/2010
CN	209563672	U 11/2019	DE	402010002800-0002		7/2010
CN	209628893	U 11/2019	DE	402010002800-0003		7/2010
CN	305424085	11/2019	DE	402010002800-0004		7/2010
CN	305424089	11/2019	DE	402010002800-0007		7/2010
CN	305437133	11/2019	DE	402010002800-0009		7/2010
CN	305437134	11/2019	DE	402010002800-0010		7/2010
CN	305437137	11/2019	DE	402010002800-0011		7/2010
CN	110605939	A 12/2019	DE	402010002800-0012		7/2010
CN	209719155	U 12/2019	DE	202012006671	U1	8/2012
			DE	102012025617	A1	10/2013
			DE	102013004590	A1	9/2014
			DE	102013114520	A1	6/2015
			DE	202016004315	U1	8/2016

(56)

References Cited

FOREIGN PATENT DOCUMENTS			
DE	202015106823	U1	3/2017
DE	102017122609	A1	3/2019
EM	000134804-0001		6/2004
EM	001606468-0001		9/2009
EM	001606468-0002		9/2009
EM	001682428-0001		4/2010
EM	001682428-0002		4/2010
EM	001682428-0003		4/2010
EM	001682428-0004		4/2010
EM	001682428-0005		4/2010
EM	001682428-0006		4/2010
EM	001781865-0001		12/2010
EM	001781865-0006		12/2010
EM	001781865-0007		12/2010
EM	001781865-0008		12/2010
EM	001781899-0006		2/2011
EM	001781899-0009		2/2011
EM	002215897-0001		8/2013
EM	002277574-0001		8/2013
EM	002277574-0002		8/2013
EM	002325209-0001		11/2013
EM	302325209-0002		11/2013
EM	002569467-0001		11/2014
EM	002569467-0002		11/2014
EM	002569467-0003		11/2014
EM	002569467-0004		11/2014
EM	002576728-0013		11/2014
EM	002646935-0001		3/2015
EM	002978569-0001		2/2016
EM	003261668-0002		7/2016
EM	003743905-0006		2/2017
EM	004100048-0001		9/2017
EM	004100048-0002		9/2017
EM	004385409-0001		10/2017
EM	004168789-0001		11/2017
EM	004662039-0002		3/2018
EM	004662039-0003		3/2018
EM	005609583-0001		8/2018
EM	005625977-0006		9/2018
EM	005500311-0002		10/2018
EM	005500311-0003		10/2018
EM	005804747-0001		10/2018
EM	005804762-0001		10/2018
EM	005804770-0001		10/2018
EM	005805140-0001		10/2018
EM	005805199-0001		10/2018
EM	006453072-0001		5/2019
EM	006618583-0001		10/2019
EM	006618583-0002		10/2019
EM	006618583-0003		10/2019
EM	006618583-0004		10/2019
EM	007064233-0002		11/2019
EM	007145461-0012		11/2019
EM	007449095-0001		1/2020
EM	007576806-0001		2/2020
EM	007719141-0001		3/2020
EP	9069419	A1	1/1983
EP	3530067	A1	3/1993
EP	0587451	A1	3/1994
EP	0221215	B1	6/1995
EP	9670791	A1	9/1995
EP	1000865	A1	5/2000
EP	1059239	A1	12/2000
EP	1080656	A1	3/2001
EP	1442845	A1	8/2004
EP	1475008	A1	11/2004
EP	1880948	A2	1/2008
EP	1921009	A1	5/2008
EP	2024218	A2	2/2009
EP	2107982	A1	10/2009
EP	2236428	A1	10/2010
EP	2330939	A1	6/2011
EP	2344000	A1	7/2011
EP	2387906	A1	11/2011
EP	2412493	A2	2/2012
EP	2441340	A1	4/2012
EP	2522248	A1	11/2012
EP	2543481	A1	1/2013
EP	2745727	A2	6/2014
EP	2826394	A1	1/2015
EP	2829484	A1	1/2015
EP	2829485	A1	1/2015
EP	2904926	A1	8/2015
EP	3013176	A1	5/2016
EP	3027078	A1	6/2016
EP	3073852	A1	10/2016
EP	3216363	A1	9/2017
EP	3351130	A1	7/2018
EP	3403521	A1	11/2018
EP	3581059	A1	12/2019
FR	1198768	A	12/1959
FR	2179844	A1	11/1973
FR	2223248	A1	10/1974
FR	2638950	A1	5/1990
FR	2689100	A1	10/1993
FR	2711044	A1	4/1995
FR	2712257	A1	5/1995
FR	2809690	A1	12/2001
FR	2870692	A1	12/2005
FR	2912997	A1	8/2008
GB	854540	A	11/1960
GB	1041392	A	9/1966
GB	2023550	A	1/1980
GB	2023551	A	1/1980
GB	2032814	A	5/1980
GB	2047073	A	11/1980
GB	2023549	A	9/1992
GB	2278874	A	12/1994
GB	2291042	A	1/1996
GB	2045135	A	2/1996
GB	2308803	A	7/1997
GB	2289713	B	12/1997
GB	2421713	A	7/2006
GB	2438189	A	11/2007
GB	2459111	A	10/2009
GB	4036176		7/2014
GB	4037039		10/2014
GB	90066075520006		7/2019
GB	2575671	A	1/2020
ID	D0000002662-0001		1/2003
IL	55179	A	7/1981
IN	266778		5/2015
IN	266779-0001		5/2015
IN	276720		2/2016
JP	S57-150175	U	9/1982
JP	S60-164570	A	8/1985
JP	03-066374	U	6/1991
JP	H0574275	A	3/1993
JP	H07-102842	A	4/1995
JP	H08-093298	A	4/1996
JP	2569734	B2	1/1997
JP	2976179	B2	11/1999
JP	2001-107621	A	4/2001
JP	3177720	B2	6/2001
JP	3197227	B2	8/2001
JP	2001-262907	A	9/2001
JP	3211023	B2	9/2001
JP	D1121506		9/2001
JP	3225244	B2	11/2001
JP	D2001-10753		6/2002
JP	31193948		1/2004
JP	2006122067	A	5/2006
JP	D1312168		10/2007
JP	D2007-16058		5/2008
JP	D2007-16059		5/2008
JP	D1338388		8/2008
JP	31382214		3/2010
JP	31382215		3/2010
JP	31397219		9/2010
JP	31397346		9/2010
JP	31408819		3/2011
JP	31408988		3/2011
JP	2014184051	A	10/2014
JP	6206200	B2	10/2017

(56)

References Cited

FOREIGN PATENT DOCUMENTS

JP	6226662	B2	11/2017
JP	2019119506	A	7/2019
KR	100395931	B1	8/2003
KR	3020030024985		9/2003
KR	200362331	Y1	9/2004
KR	20070101643	A	10/2007
KR	20070103598	A	10/2007
KR	3020070008850		12/2007
KR	300492699.0000		5/2008
KR	20090074289	A	7/2009
KR	100921297	B1	10/2009
KR	101267451	B1	5/2013
KR	300740505.0000		4/2014
KR	300887228.0000		12/2016
KR	300908948.0000		6/2017
KR	300908949.0000		6/2017
KR	300915252.0000		7/2017
KR	20180037090	A	4/2018
KR	300968949.0000		8/2018
KR	300982867.0000		11/2018
KR	300983257.0000		12/2018
KR	300990253.0000		1/2019
KR	3009902440000		1/2019
KR	300996066.0000		3/2019
KR	102054504	B1	12/2019
KR	301037245.0000		12/2019
KR	301037251.0000		12/2019
KR	301050842.0000		3/2020
KR	301541440002		4/2020
NL	7504291	A	10/1975
NL	5903105	A	7/1991
NL	1032860	C1	11/2006
RU	00100422	U1	12/2010
TR	201708307-0001		2/2018
TW	M310869	U	5/2007
WO	9400034	A1	1/1994
WO	D032061-005		4/1995
WO	D035637-003		2/1996
WO	D036648-008		6/1996
WO	9631140	A1	10/1996
WO	9748613	A1	12/1997
WO	0041937	A1	7/2000
WO	0168477	A1	9/2001
WO	02064445	A1	8/2002
WO	03041529	A1	5/2003
WO	2004076291	A2	9/2004
WO	2006019314	A1	2/2006
WO	2006037302	A1	4/2006
WO	2008001029	A1	1/2008
WO	2008034603	A1	3/2008
WO	2009028960	A1	3/2009
WO	2011135559	A1	11/2011
WO	2012000497	A1	1/2012
WO	2012029119	A1	3/2012
WO	D078390-004		11/2012
WO	2013014670	A1	1/2013
WO	D080557-001		4/2013
WO	2013126851	A1	8/2013
WO	2014131214	A1	9/2014
WO	2014193073	A1	12/2014
WO	2015040526		3/2015
WO	2015087357	A1	6/2015
WO	2016072912	A1	5/2016
WO	2016091570	A1	6/2016
WO	2017034992	A1	3/2017
WO	2017088278	A1	6/2017
WO	2017091899	A1	6/2017
WO	2017191628	A1	11/2017
WO	2017192694	A1	11/2017
WO	2018012675	A1	1/2018
WO	2018169478	A1	9/2018
WO	2019238228	A1	12/2019
WO	2020030766	A1	2/2020

OTHER PUBLICATIONS

Pelican Storm Waterproof Case, available Jul. 27, 2009, [online], [site visited Mar. 31, 2018]. Available from internet, <URL: https://www.amazon.com/dp/B002JB07D8?axitk=EqSpVoa9QpKAGqst7rmxMA&pd_rd_i=B002JB07D8&pf_rd_m=ATVPDKIKX0DER&pf (Year: 2009).

Outdoor Products Small Watertight Dry Box, Blue, available May 31, 2016, [online], [site visited Mar. 31, 2018]. Available from internet, <URL: <https://www.walmart.com/ip/Outdoor-Products-Small-Watertight-Dry-Box-Blue/26674162> (Year 2016).

Sep. 2, 2018—(WO) International Search Report and Written Opinion—App. PCT/US2018/037100.

Yeti.com, Images of Loadout Bucket Web Page visited on Mar. 17, 2020, at https://www.yeti.com/en_US/buckets/loadout-5-gallon-bucket/YLOB5.html?dwvar_YLOB5_color=white&cgid=buckets#tstarl-1 <https://www.yeti.com/en_US/buckets/loadout-5-gallon-bucket/YLOB5.html?dwvar_YLOB5_color=white&cgid=buckets>.

Amazon.com, “Top Shelf Custom Injection Molded ABS Saddlebag Organizer Tray, 2014—Current H-D ABS Hard Bags, LFT by Advanced Accessory Concepts LLC,” visited Oct. 16, 2019 and revisited Jan. 6, 2020 at https://www.amazon.com/Custom-Injection-Molded-Saddlebag-Organizer/dp/B01MQWBM40/ref=sr_1_38?keywords=luggage+hard+removable+liner&qid=1571270714&sr=8-38.

Amazon.com, “TCMT Matt Black Chopped Tour Pack Trunk w/Backrest Fits For Harley Street Road Glide 2014-2020 (Style B) by TCMT,” visited Oct. 16, 2019 and revisited Jan. 6, 2020 at <https://www.amazon.com>.

Amazon.com, “Pelican Air 1615 Travel Case—Suitcase Luggage (Blue) by Pelican,” visited Oct. 16, 2019 and revisited Jan. 6, 2020 at https://www.amazon.com/Pelican-Air-1615-Travel-Case/dp/B07XGHDK66?ref_ast_sto_dp.

Amazon.com, “Pelican 015100-0050-110 Protector Carry-On Case Black w/TrekPak Insert: Camera & Photo,” visited Oct. 16, 2019 and revisited Jan. 6, 2020 at https://www.amazon.com/Pelican-1510TP-Carry-TrekPak-Divider/dp/B01E4E1BFK/ref-sr_1_48?crd=3CJLVWN9DJ62R&keywords=carry+on+organizer+insert&qid=1571270299&srefix=carry+on+organizer%2Caps%2C143&sr=8-48.

Amazon.com, “Samsonite F’Lite GT 31” Hardside Wheeled Luggage (Vivid Blue),” visited Dec. 16, 2019 and revisited Jan. 7, 2020 at <[https://www.alibaba.com/product-detail/Removable-Spinner-Wheels-For-Suitcase-Replacement_605641600](https://www.amazon.com/Samsonite-Flite-Spinner-Black-Size/dp/B01LTG2XVC?th=1>Samsonite F’Lite GT 31” Hardside Wheeled Luggage (Vivid Blue)>.</p>
<p>Alibaba.com, “Removable Spinner Wheels for Suitcase Replacement Suitcase Luggage,” visited Dec. 16, 2019 and revisited Jan. 7, 2020 at <a href=).

Amazon.com, “Lockable Tackle Box Fishing Waterproof Fly Fishing Box Double Sided Ice Fishing Tackle Case Box Storage Waterproof: 360 Degree Rubber Gasket, Durable Plastic Construction Double Sided Triangle-Cut For,” visited Dec. 16, 2019 and revisited Jan. 7, 2020 at <<https://www.amazon.com/Lockable-Tackle-Fishing-Waterproof-Storage/dp/B07MFF6S6N>>.

YankoDesign.com, “Vacuum Packed Suitcase,” visited Dec. 16, 2019 and revisited Jan. 7, 2020 at <<https://www.yankodesign.com/2011/11/28/vacuum-packed-suitcase/>>.

Alibaba.com, “Portable Luggage Wheels for Luggage Trolley Bags & Suitcase,” visited Dec. 16, 2019 and revisited Jan. 7, 2020 at https://www.alibaba.com/product-detail/Portable-Luggage-Wheels-for-luggage-Trolley_1854722793.html.

Northerntool.com, “Dewalt 28in. Wheeled Toolbox, Model# DWST28100,” visited on Apr. 6, 2020 at https://www.northerntool.com/shop/tools/product_200726534_200726534.

Walmart.com, “Sterilite 151L Black Wheeled Industrial Tote,” visited on Apr. 6, 2020 at <https://www.walmart.ca/en/ip/sterilite-151l-black-wheeled-industrial-tote/6000195957310>.

(56)

References Cited

OTHER PUBLICATIONS

GlobalIndustrial.com, "Contico UK3725-4 Rolling Pro Tuff Work Box," visited on Apr. 6, 2020 at <https://www.globalindustrial.com/p/tools/tool-storage/Jo-Site/rolling-pro-tuff-work-box?infoParam.campaignId=T9F>.

Amazon.com, "Grey: Akro-Mils 33105 Akro-Grid Slotted Divider Plastic Tote Box," visited on Apr. 6, 2020 at <https://www.amazon.in/Grey-Akro-Mils-Akro-Grid-Slotted-Divider/dp/B004C044VU>.

GlobalIndustrial.com, "Global Industrial™ Plastic Dividable Grid Container," visited on Apr. 6, 2020 at <https://www.globalindustrial.com/p/storage/bins-totes-containers/dividable-grid/grid-wall-bin-stackable-1>.

GlobalIndustrial.com, "Straight Wall Container Solid," visited on Apr. 6, 2020 at <https://www.globalindustrial.com/p/storage/bins-totes-containers/stacking-containers/straight-wall-container-12x7-2-5x5>.

May 12, 2020—(WO) Partial International Search—PCT/US2020/012404.

Jul. 6, 2020—(WO) International Search Report & Written Opinion—PCT/US2020/012404.

Aug. 13, 2020—(WO) Partial International Search—PCT/US2020/026655.

Oct. 7, 2020—(WO) ISR & WO—PCT/US2020/026655.

Dec. 20, 2020—(ON) First Office Action—App. No. 201880036572.1.

Apr. 7, 2021—(CN) First Office Action—App. No. 202030815015.X.

Oct. 18, 2021—(WO) International Search Report & Written Opinion—PCT/US21/023632.

* cited by examiner

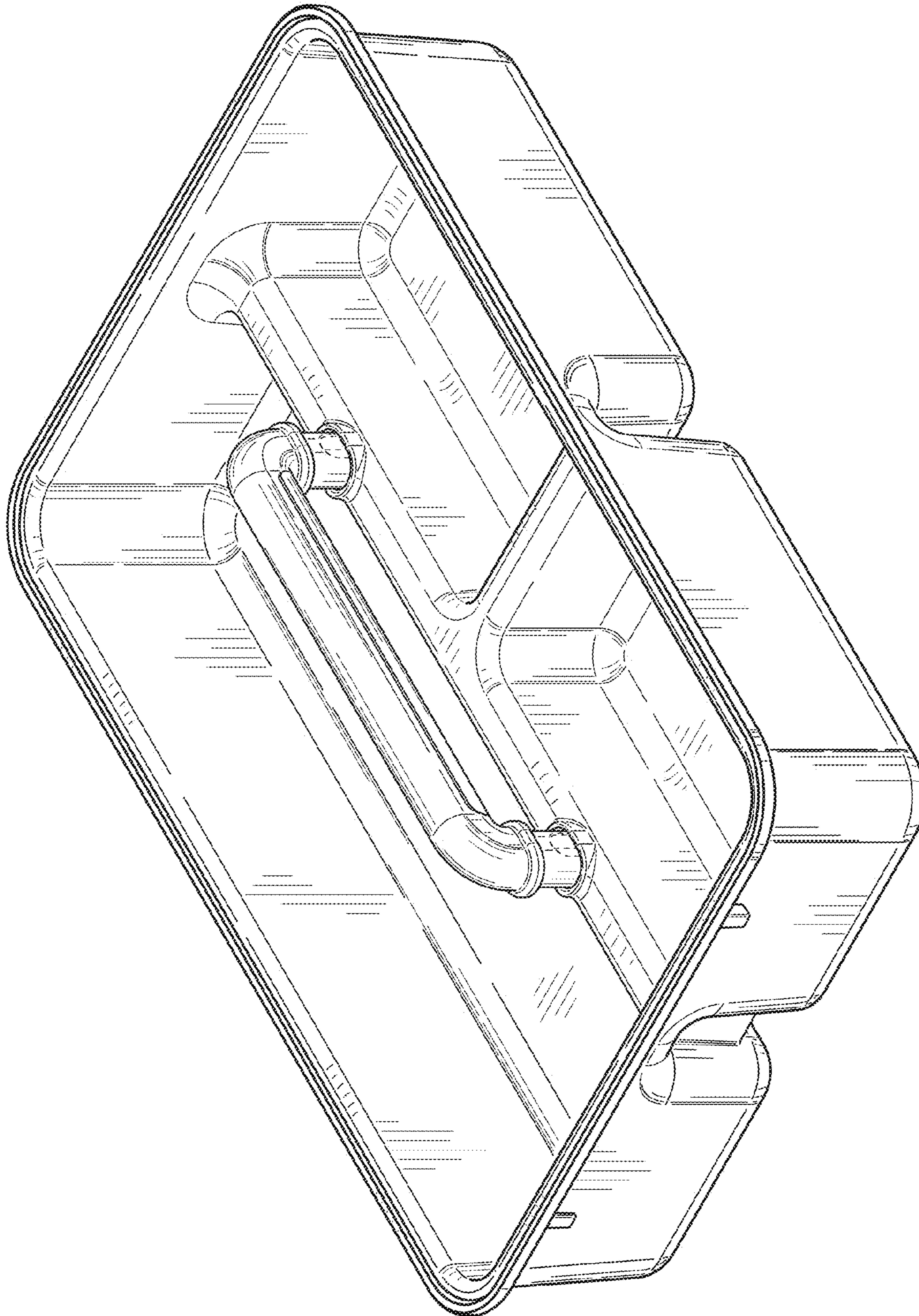


FIG. 1

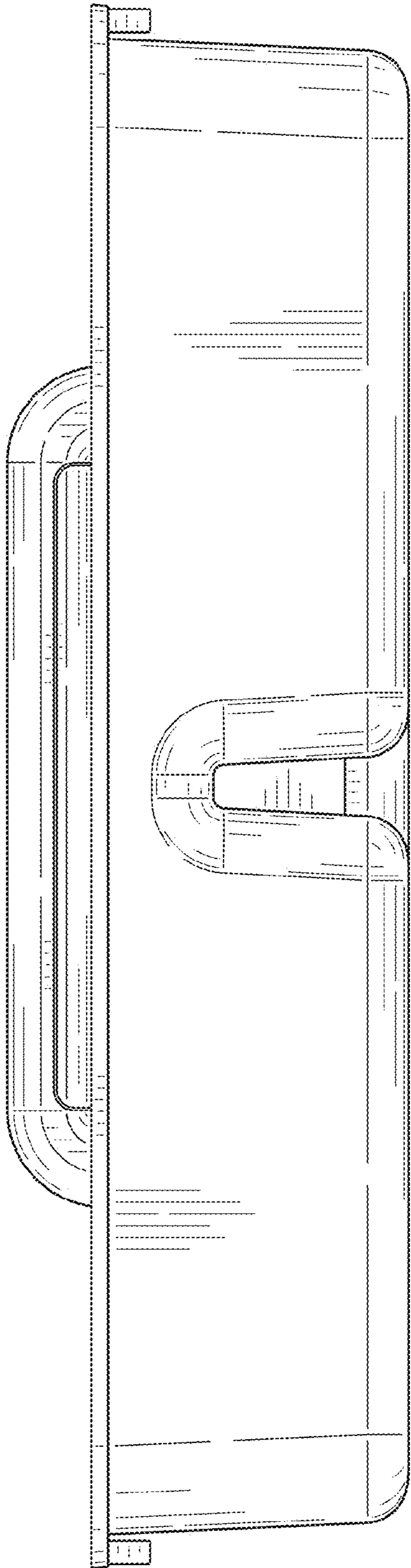


FIG. 2

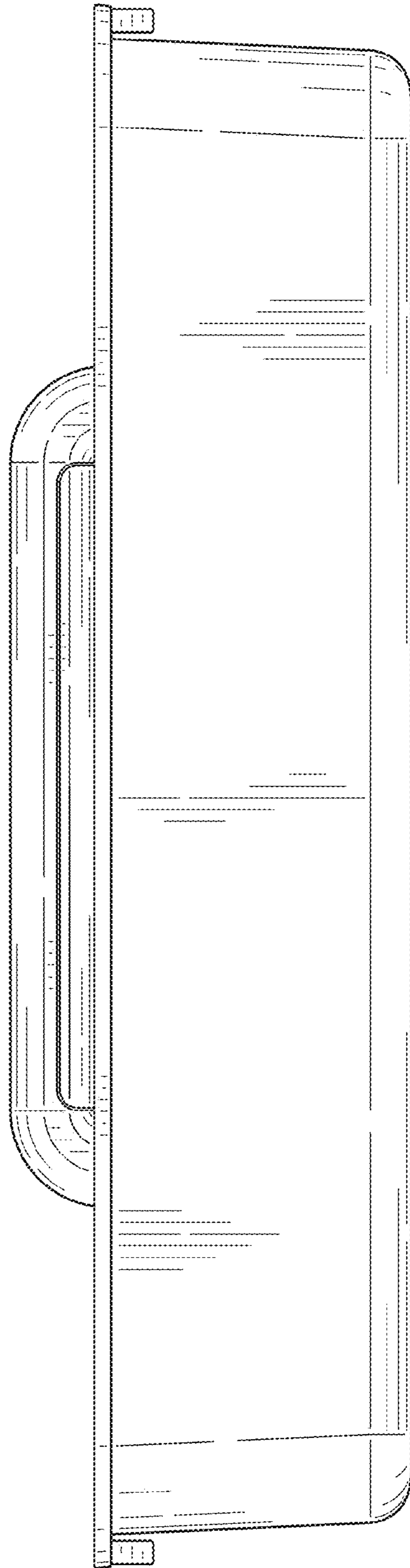


FIG. 3

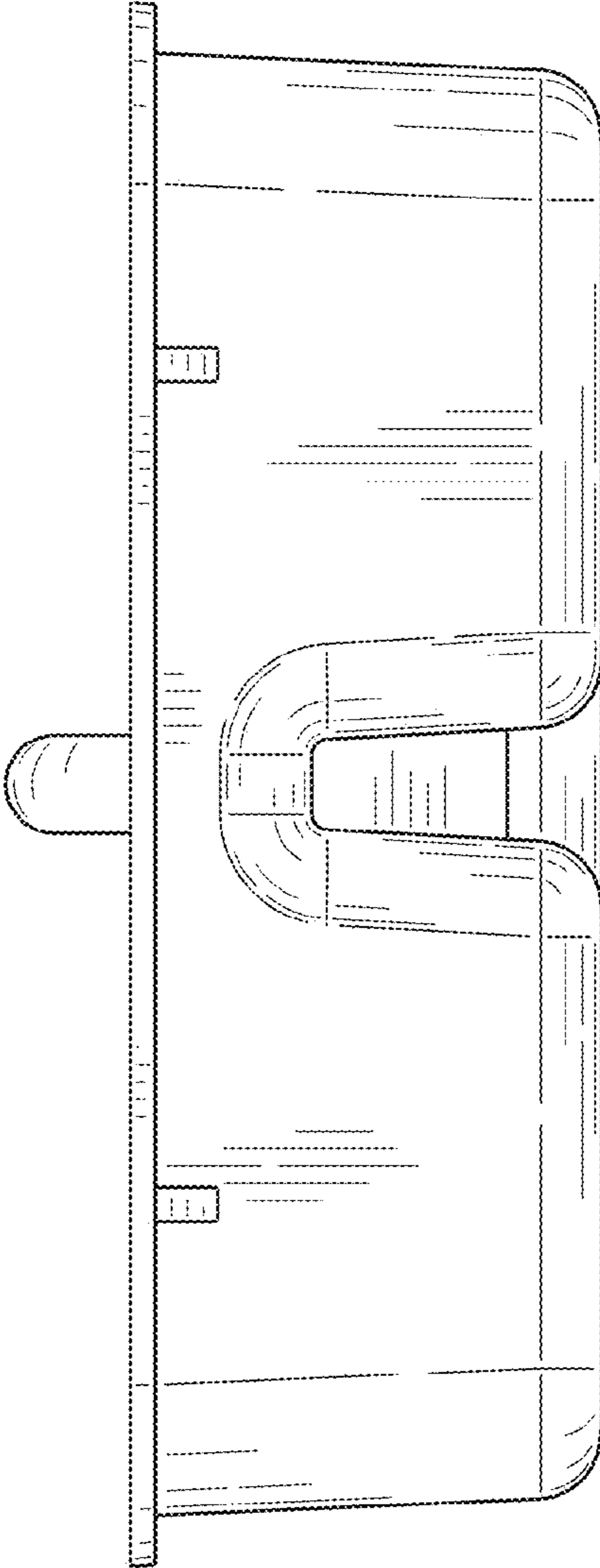


FIG. 4

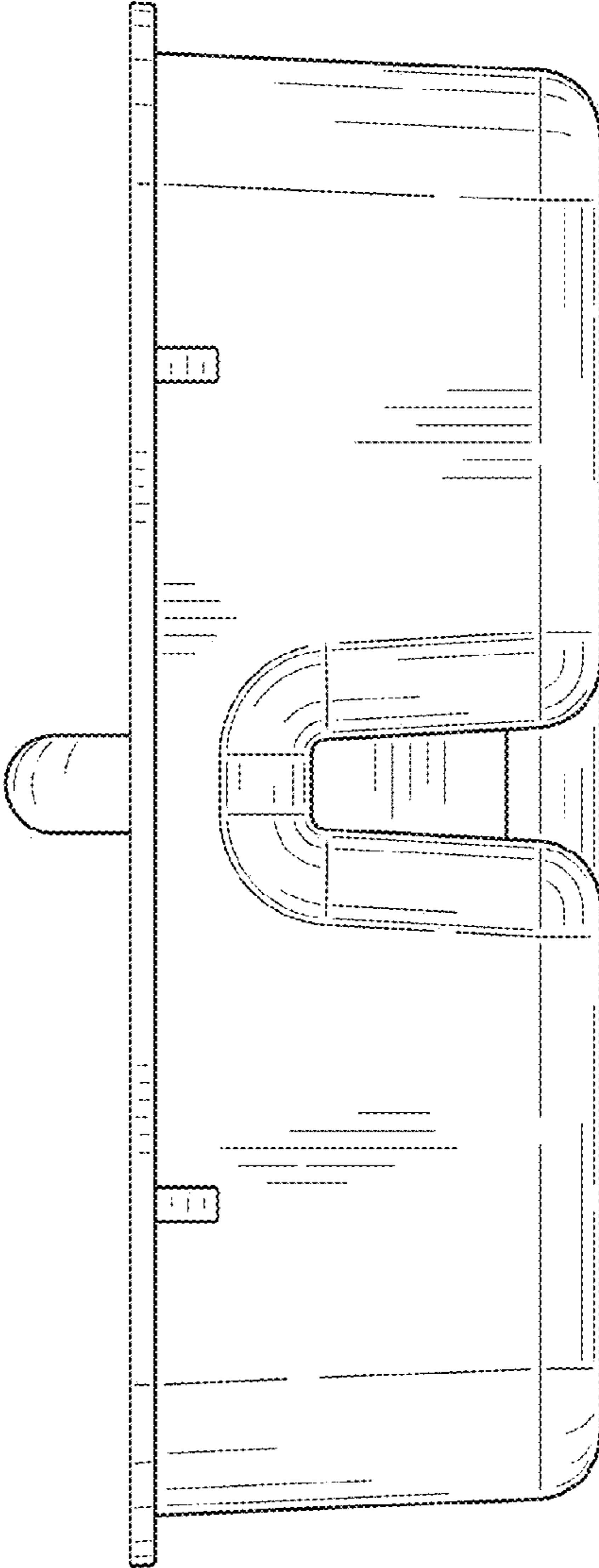


FIG. 5

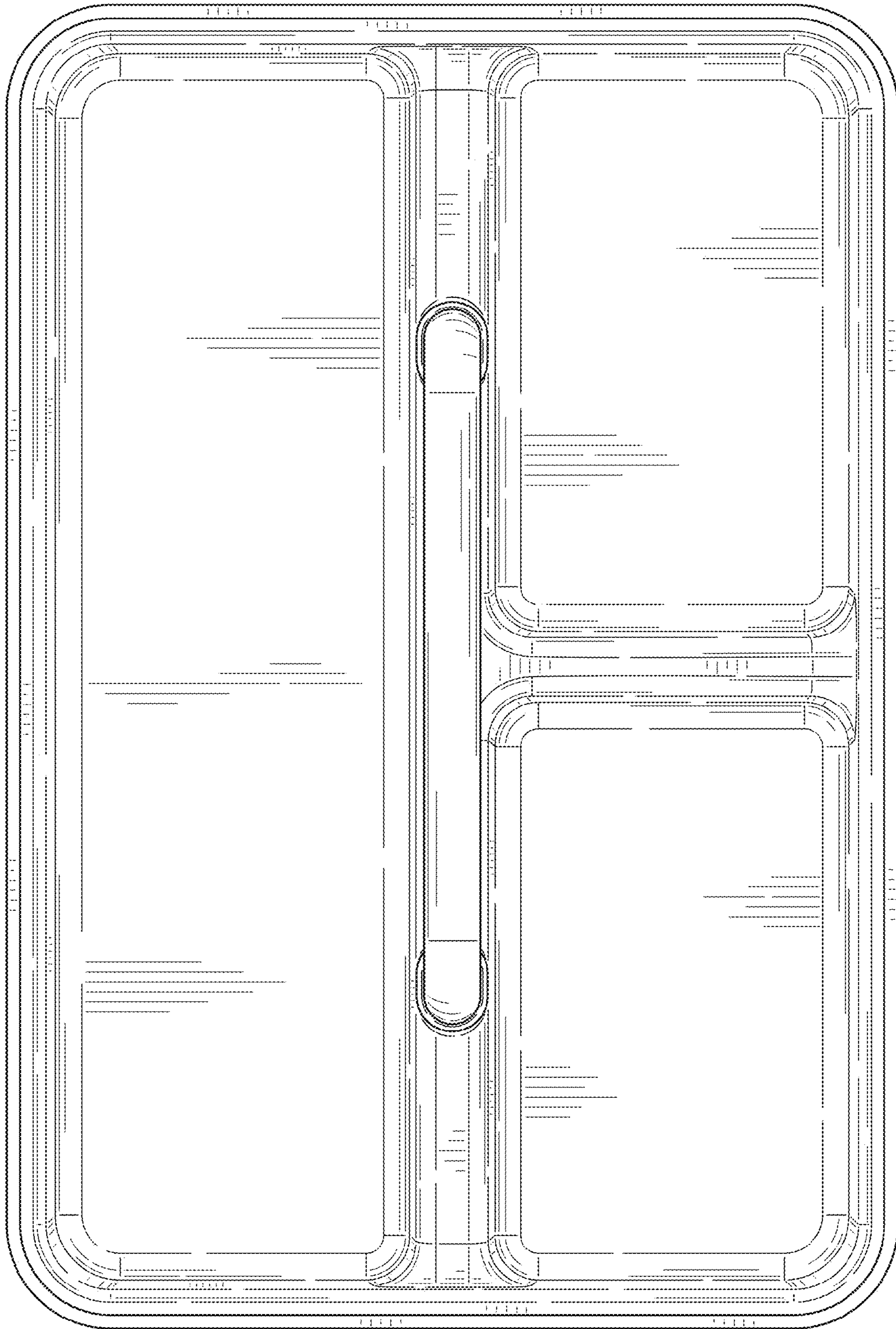


FIG. 6

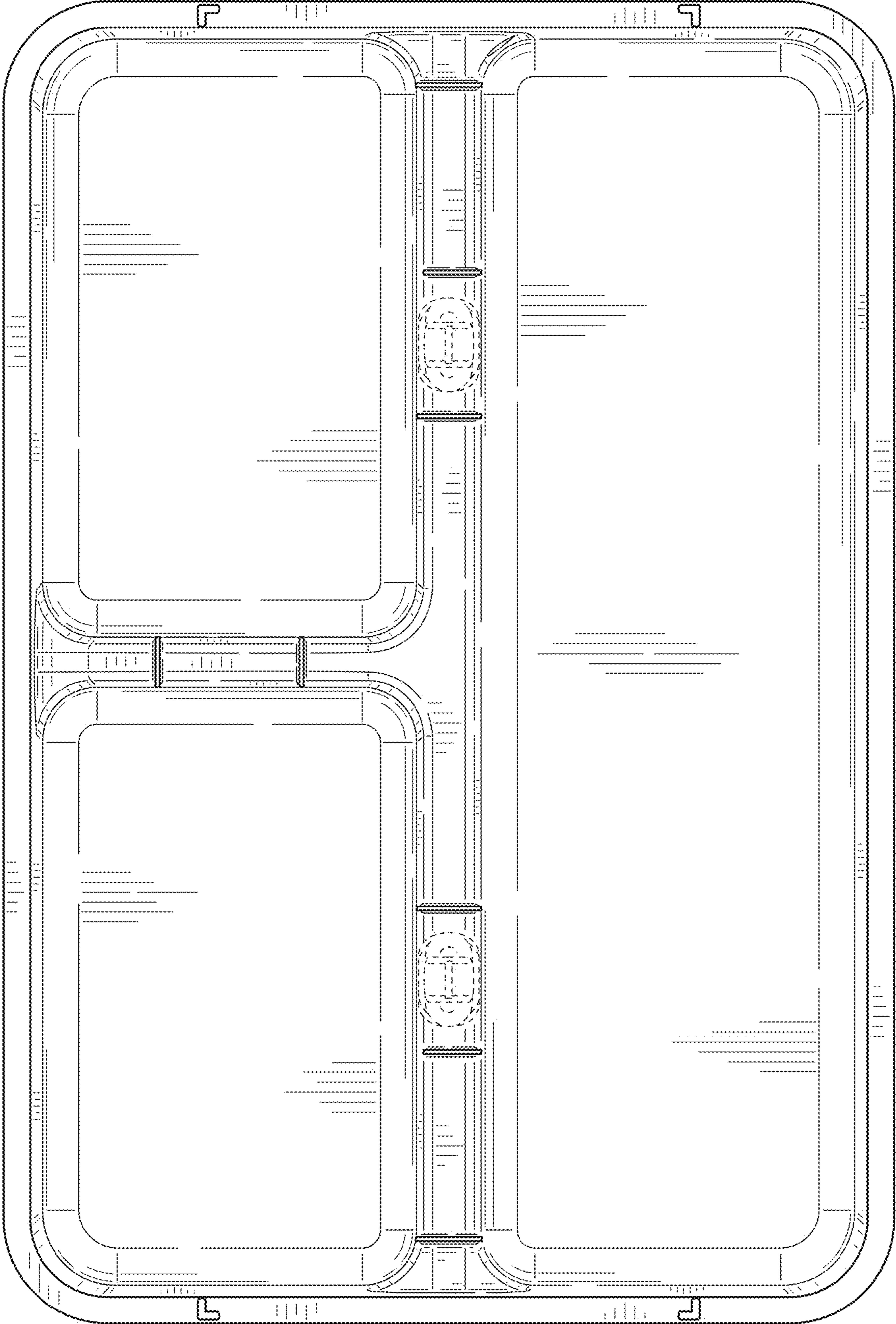


FIG. 7