US00D637713S

(12) United States Design Patent

Nord et al.

(10) Patent No.: US D637,713 S
(45) Date of Patent: ** *May 10, 2011

(54) **MEDICAL DEVICE ADAPTOR**

(75) Inventors: **Lars Nord**, Göteborg (SE); **Alexander Cederschiold**, Göteborg (SE)

(73) Assignee: **Carmel Pharma AB**, Göteborg (SE)

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

(21) Appl. No.: **29/361,904**

(22) Filed: **May 17, 2010**

(30) **Foreign Application Priority Data**

Nov. 20, 2009 (EP) 001178875-001

(51) **LOC (9) Cl.** **24-02**
(52) **U.S. Cl.** **D24/129**
(58) **Field of Classification Search** D24/108, D24/130, 129, 112; 604/905, 414, 411, 240, 604/403, 191, 533, 413, 415, 82; 422/103; 251/149.6, 149.1
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,844,342	A	2/1932	Berman	
2,010,417	A	8/1935	Schwab	
2,697,438	A	12/1954	Hickey	
2,717,599	A	9/1955	Huber	
3,064,651	A	11/1962	Henderson	
3,071,135	A	1/1963	Baldwin et al.	
3,308,822	A	3/1967	DeLuca	
3,316,908	A	5/1967	Burke	
3,340,671	A	9/1967	Loo	
3,390,677	A	7/1968	Razimbaud	
3,448,740	A	6/1969	Figge	
3,542,240	A	11/1970	Solowey	
3,783,895	A	1/1974	Weichselbaum	
3,788,320	A	1/1974	Dye	
3,822,700	A	7/1974	Pennington	
3,938,520	A	2/1976	Scislowicz et al.	
3,976,073	A	8/1976	Quick et al.	
4,096,860	A	6/1978	McLaughlin	
4,296,786	A	10/1981	Brignola	
D270,568	S *	9/1983	Armstrong	D24/129
4,490,139	A	12/1984	Huizenga et al.	
4,516,967	A	5/1985	Kopfer	
4,564,054	A	1/1986	Gustavsson	
4,573,967	A	3/1986	Hargrove et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

AU	200112863	5/2003

(Continued)

OTHER PUBLICATIONS

Taiwan Search Report for Taiwan Patent Application 092106323,dated Mar. 21, 2003 (4 pages).

(Continued)

Primary Examiner — T. Chase Nelson
Assistant Examiner — Eric L Goodman
(74) *Attorney, Agent, or Firm* — Fish & Richardson P.C.

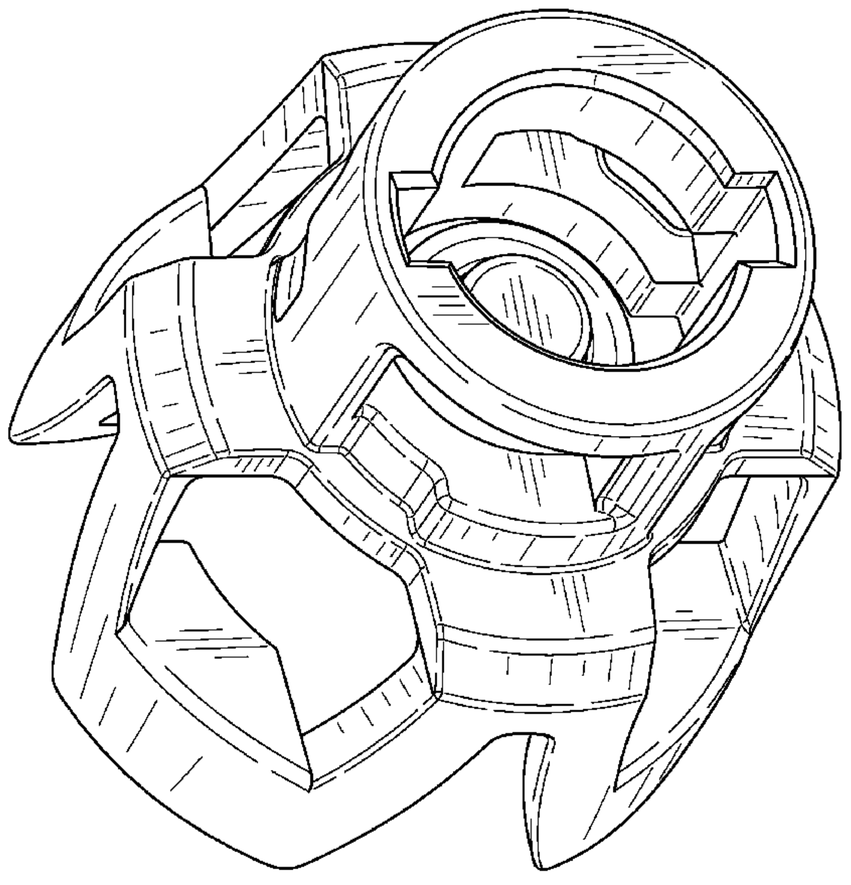
(57) **CLAIM**

The ornamental design for a medical device adaptor, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a medical device adaptor.
FIG. **2** is a side view of the medical device adaptor of FIG. **1**.
FIG. **3** is a side view of the medical device adaptor of FIG. **1**.
FIG. **4** is a side view of the medical device adaptor of FIG. **1**.
FIG. **5** is a side view of the medical device adaptor of FIG. **1**.
FIG. **6** is a top view of the medical device adaptor of FIG. **1**.
FIG. **7** is a bottom view of the medical device adaptor of FIG. **1**; and,
FIG. **8** is another perspective view of the medical device adaptor of FIG. **1**.

1 Claim, 5 Drawing Sheets



U.S. PATENT DOCUMENTS

4,576,211	A		3/1986	Valentini et al.
4,581,016	A		4/1986	Gettig
4,582,223	A		4/1986	Kobe
4,588,403	A		5/1986	Weiss et al.
4,600,040	A		7/1986	Naslund
4,623,343	A		11/1986	Thompson
4,629,455	A		12/1986	Kanno
4,632,673	A		12/1986	Tiitola et al.
4,636,204	A		1/1987	Christopherson et al.
4,673,400	A		6/1987	Martin
4,673,404	A		6/1987	Gustavsson
4,737,150	A		4/1988	Baeumle et al.
4,752,287	A		6/1988	Kurtz et al.
4,759,756	A	*	7/1988	Forman et al. 604/413
4,768,568	A		9/1988	Fournier et al.
4,792,329	A		12/1988	Schreuder
4,804,015	A		2/1989	Albinsson
4,822,340	A		4/1989	Kamstra
4,826,492	A		5/1989	Magasi
4,834,717	A		5/1989	Haber et al.
4,842,585	A		6/1989	Witt
4,850,978	A		7/1989	Dudar et al.
4,864,717	A		9/1989	Baus, Jr.
4,872,494	A		10/1989	Coccia
4,878,897	A		11/1989	Katzin
4,889,529	A		12/1989	Haindl
4,898,209	A		2/1990	Zbed
4,909,290	A		3/1990	Coccia
4,932,937	A		6/1990	Gustavsson et al.
4,944,736	A		7/1990	Holtz
4,964,855	A		10/1990	Todd et al.
4,982,769	A		1/1991	Fournier et al.
4,994,048	A		2/1991	Metzger
4,997,083	A		3/1991	Loretti et al.
5,017,186	A		5/1991	Arnold
5,041,105	A		8/1991	D'Alo et al.
5,061,264	A		10/1991	Scarrow
5,071,413	A		12/1991	Utterberg
5,122,116	A		6/1992	Kriesel et al.
5,122,123	A		6/1992	Vaillancourt
5,137,524	A		8/1992	Lynn et al.
5,158,554	A		10/1992	Jepson et al.
5,176,673	A		1/1993	Marrucchi
5,199,947	A		4/1993	Lopez et al.
5,201,725	A		4/1993	Kling
5,207,658	A		5/1993	Rosen et al.
5,232,109	A		8/1993	Tirrell et al.
5,254,097	A		10/1993	Schock et al.
5,279,576	A		1/1994	Loo et al.
5,279,583	A		1/1994	Shober, Jr. et al.
5,279,605	A		1/1994	Karrasch et al.
5,308,347	A		5/1994	Sunago et al.
5,312,366	A		5/1994	Vaillancourt
5,328,480	A		7/1994	Melker et al.
5,334,163	A		8/1994	Sinnett
5,356,406	A		10/1994	Schraga
5,385,545	A		1/1995	Kriesel et al.
5,385,547	A		1/1995	Wong et al.
5,389,085	A		2/1995	D'Alessio et al.
5,405,326	A		4/1995	Haber et al.
5,445,630	A		8/1995	Richmond
5,447,501	A		9/1995	Karlsson et al.
5,456,675	A		10/1995	Wolbring et al.
5,470,522	A		11/1995	Thome et al.
5,478,328	A		12/1995	Silverman et al.
5,478,337	A		12/1995	Okamoto et al.
5,492,531	A		2/1996	Post et al.
5,514,117	A		5/1996	Lynn
5,515,871	A		5/1996	Bittner et al.
5,536,259	A		7/1996	Utterberg
5,575,780	A		11/1996	Saito
5,593,028	A		1/1997	Haber et al.
5,613,954	A		3/1997	Nelson et al.
5,632,735	A		5/1997	Wyatt et al.
5,647,845	A		7/1997	Haber et al.
5,685,866	A		11/1997	Lopez
5,752,942	A		5/1998	Doyle et al.
5,766,147	A		6/1998	Sancoff et al.
5,766,211	A		6/1998	Wood et al.
5,782,872	A		7/1998	Muller
5,795,336	A		8/1998	Romano et al.
5,817,083	A		10/1998	Shemesh et al.
5,820,609	A		10/1998	Saito
5,827,262	A		10/1998	Neftel et al.
5,837,262	A		11/1998	Golubev et al.
5,875,931	A		3/1999	Py
5,879,345	A		3/1999	Aneas
5,897,526	A		4/1999	Vaillancourt
5,934,510	A		8/1999	Anderson
5,984,899	A		11/1999	D'Alessio et al.
6,063,068	A		5/2000	Fowles et al.
D427,308	S	*	6/2000	Zinger D24/129
6,070,623	A		6/2000	Aneas
6,071,270	A		6/2000	Fowles et al.
6,090,091	A		7/2000	Fowles et al.
6,113,068	A		9/2000	Ryan
6,113,583	A		9/2000	Fowles et al.
6,142,446	A		11/2000	Leinsing
6,146,362	A		11/2000	Turnbull et al.
6,209,738	B1		4/2001	Jansen et al.
6,221,065	B1		4/2001	Davis
6,245,056	B1		6/2001	Walker et al.
D445,501	S	*	7/2001	Niedospial, Jr. D24/129
6,253,804	B1		7/2001	Safabash
6,258,078	B1		7/2001	Thilly
6,387,074	B1		5/2002	Horppu et al.
6,453,956	B2		9/2002	Safabash
6,471,674	B1		10/2002	Emig et al.
6,517,523	B1		2/2003	Kaneko et al.
6,537,263	B1		3/2003	Aneas
6,571,837	B2		6/2003	Jansen et al.
6,591,876	B2		7/2003	Safabash
6,644,367	B1		11/2003	Savage et al.
6,685,692	B2		2/2004	Fathallah
6,715,520	B2		4/2004	Andreasson et al.
6,761,286	B2		7/2004	Py et al.
D495,416	S	*	8/2004	Dimeo et al. D24/129
6,786,244	B1		9/2004	Jones
D506,256	S	*	6/2005	Miyoshi et al. D24/129
6,960,194	B2		11/2005	Hommann et al.
7,000,806	B2		2/2006	Py et al.
7,080,672	B2		7/2006	Fournier et al.
7,297,140	B2		11/2007	Orlu et al.
D570,477	S	*	6/2008	Gallogly et al. D24/130
D572,820	S	*	7/2008	Gallogly et al. D24/130
D577,438	S	*	9/2008	Gallogly et al. D24/130
D577,822	S	*	9/2008	Gallogly et al. D24/130
D582,033	S	*	12/2008	Baxter et al. D24/130
D605,755	S	*	12/2009	Baxter et al. D24/127
7,703,486	B2		4/2010	Costanzo
D616,984	S	*	6/2010	Gilboa D24/129
7,744,581	B2		6/2010	Wallen et al.
2001/0021825	A1		9/2001	Becker et al.
2001/0025671	A1		10/2001	Safabash
2002/0002352	A1		1/2002	Becker et al.
2002/0082586	A1		6/2002	Finley et al.
2002/0127150	A1	*	9/2002	Sasso 422/103
2002/0177819	A1		11/2002	Barker et al.
2003/0010717	A1		1/2003	Brugger et al.
2003/0070726	A1		4/2003	Andreasson et al.
2003/0106610	A1		6/2003	Roos et al.
2003/0107628	A1		6/2003	Fowles et al.
2003/0199846	A1		10/2003	Fowles et al.
2003/0233083	A1		12/2003	Houwaert et al.
2004/0116858	A1		6/2004	Heinz et al.
2004/0199139	A1		10/2004	Fowles et al.
2004/0215147	A1		10/2004	Wessman et al.
2005/0215977	A1		9/2005	Uschold
2006/0025747	A1		2/2006	Sullivan et al.
2006/0106360	A1		5/2006	Wong
2006/0111667	A1		5/2006	Matsuura et al.
2006/0157984	A1		7/2006	Rome et al.
2006/0186045	A1		8/2006	Jensen et al.
2007/0021725	A1		1/2007	Villette
2007/0060841	A1		3/2007	Henshaw
2007/0088313	A1	*	4/2007	Zinger et al. 604/403
2007/0106244	A1		5/2007	Mosler et al.

2007/0179441	A1	8/2007	Chevallier	
2007/0270759	A1	11/2007	Pessin	
2007/0270778	A9 *	11/2007	Zinger et al.	604/523
2008/0045919	A1	2/2008	Jakob et al.	
2008/0103453	A1	5/2008	Liversidge	
2008/0103485	A1	5/2008	Kruger	
2008/0172039	A1	7/2008	Raines	
2008/0223484	A1	9/2008	Horppu	
2008/0287920	A1	11/2008	Fangrow et al.	
2008/0312634	A1	12/2008	Helmerson et al.	
2009/0254042	A1	10/2009	Gratwohl et al.	
2010/0137827	A1 *	6/2010	Warren et al.	604/408
2010/0204671	A1 *	8/2010	Kraushaar et al.	604/414
2010/0243099	A1 *	9/2010	Yodfat	141/2

FOREIGN PATENT DOCUMENTS

DE	2005519	10/1979
EP	0255025	2/1988
EP	0259582	3/1988
EP	0285424	10/1988
EP	0311787	4/1989
EP	0376629	7/1990
EP	0803267	10/1997
EP	0819442	1/1998
EP	0995453	4/2000
EP	1060730	12/2000
EP	1484073	12/2004
EP	1731128	12/2006
FR	2757405	6/1998
FR	2780878	1/2000
GB	1579065	11/1980
JP	49-12690	5/1972
JP	288664	7/1990
JP	3030963	8/1996
JP	200167022	6/2000
JP	2001505092	4/2001
JP	2001293085	10/2001
TW	482670	4/2002
WO	WO 84/04672	12/1984
WO	WO 84/04673	12/1984
WO	WO 90/03536	4/1990
WO	WO 98/19724	5/1998
WO	WO 99/27886	6/1999
WO	WO 99/62578	12/1999
WO	WO 00/05292	2/2000
WO	WO 00/35517	6/2000
WO	WO 01/80928	11/2001
WO	WO 02/02048	1/2002
WO	WO 02/11794	2/2002
WO	WO 02/064077	8/2002
WO	WO 02/076540	10/2002
WO	WO 2005/074860	8/2005
WO	WO 2006/082350	8/2006
WO	WO 2006/083333	8/2006
WO	WO 2008/115102	9/2008
WO	WO 2006/138184	12/2009

OTHER PUBLICATIONS

Japan Application No. 2003-583539; Official Action dated May 1, 2009 (3 pages).

Japan Application No. 2003-577789, Official Action dated Feb. 24, 2009 (4 pages).

International Search Report, PCT/EP2008/067535 dated Oct. 13, 2009 (3 pages).

International Search Report, PCT/EP2008/067522 dated Aug. 12, 2009. (2 pages).

* cited by examiner

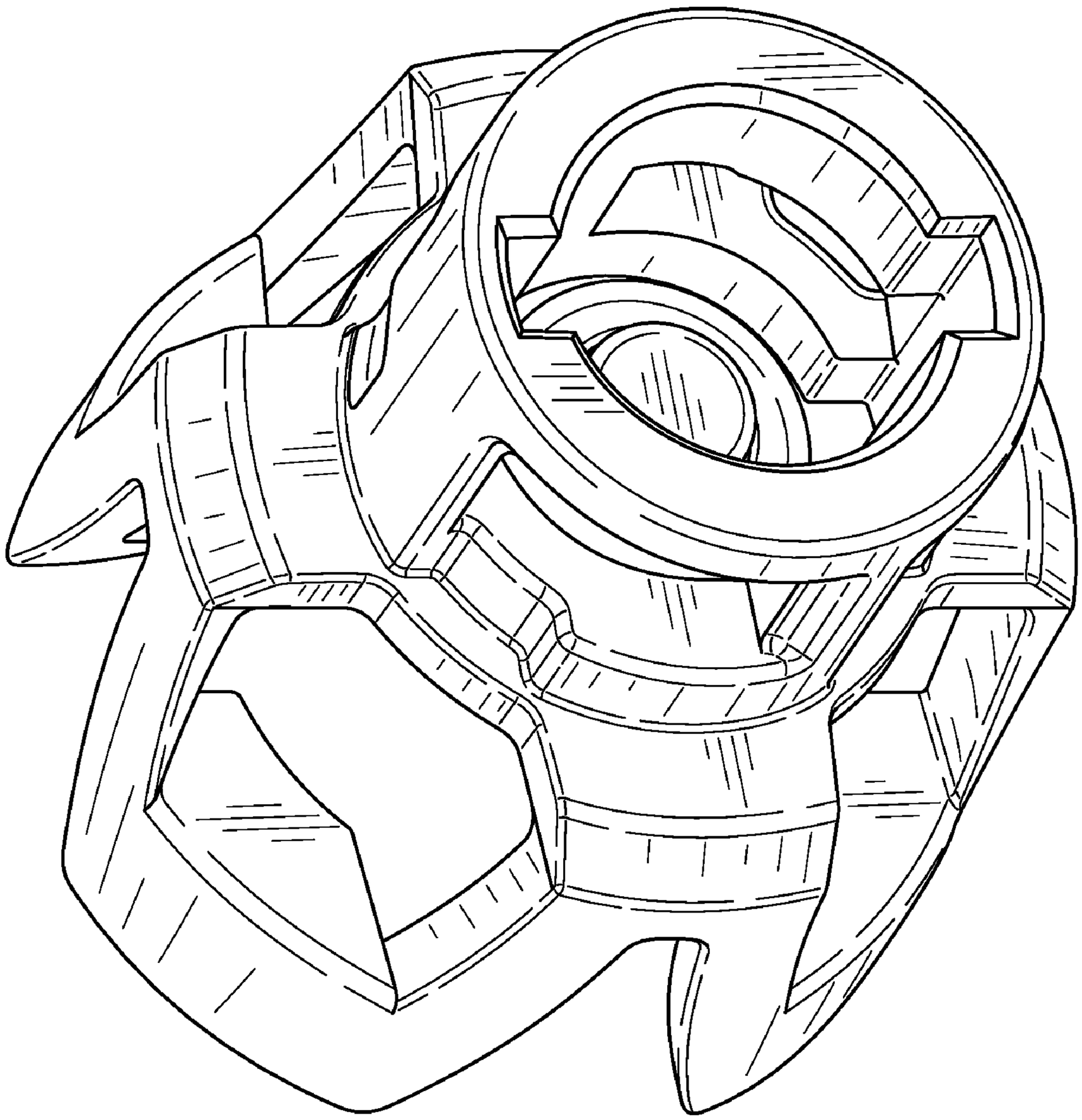


FIG. 1

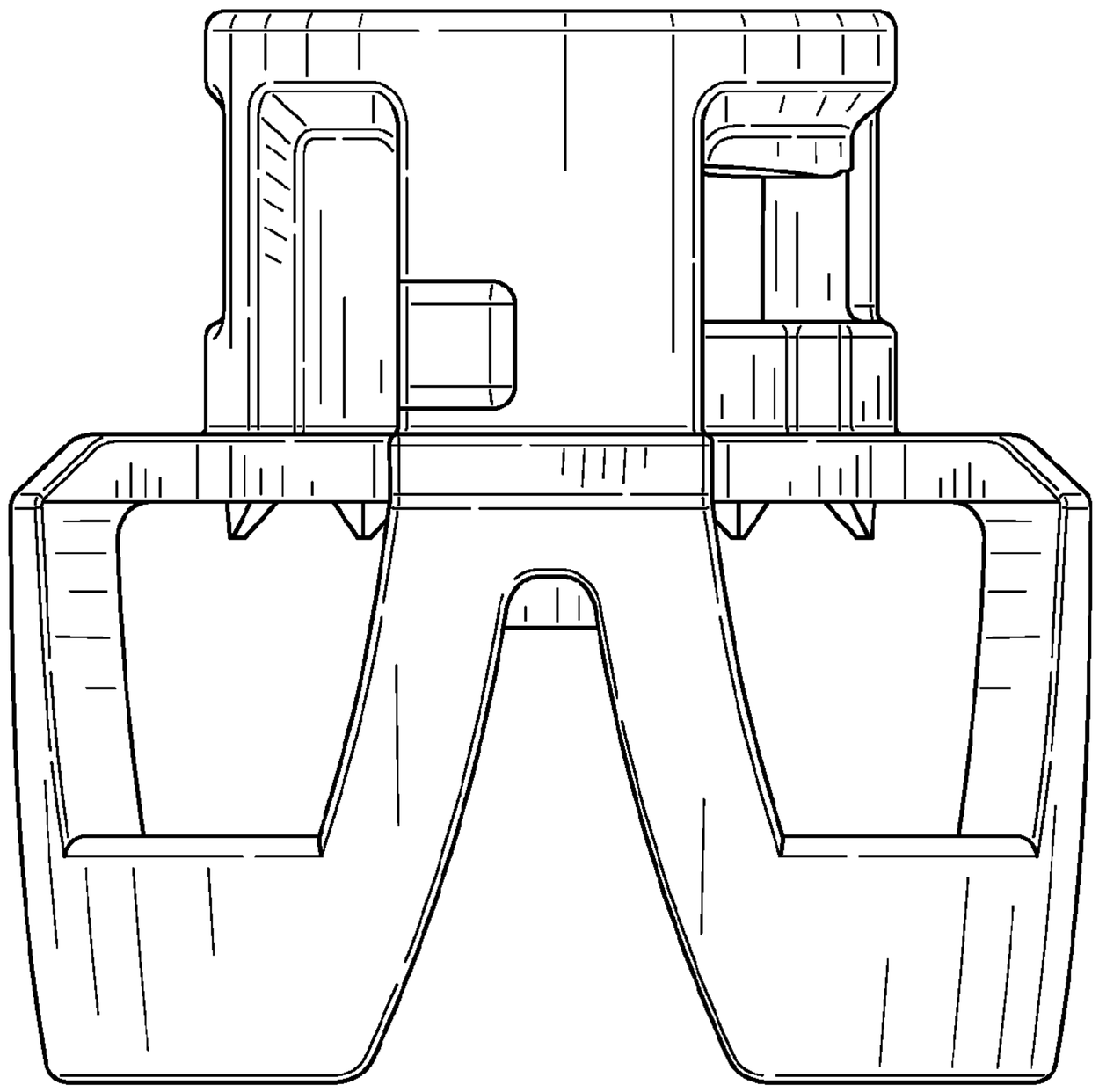


FIG. 2

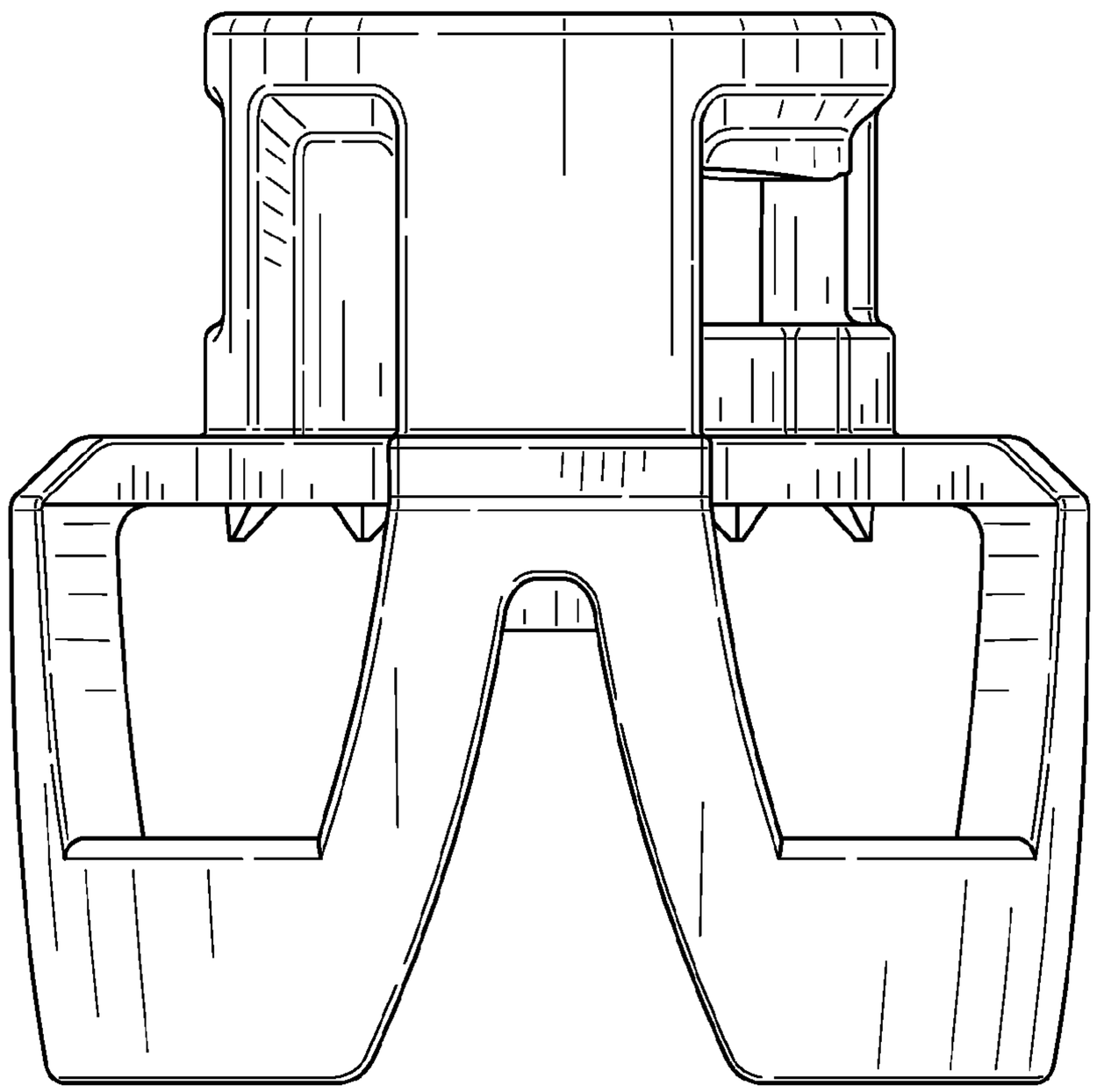


FIG. 3

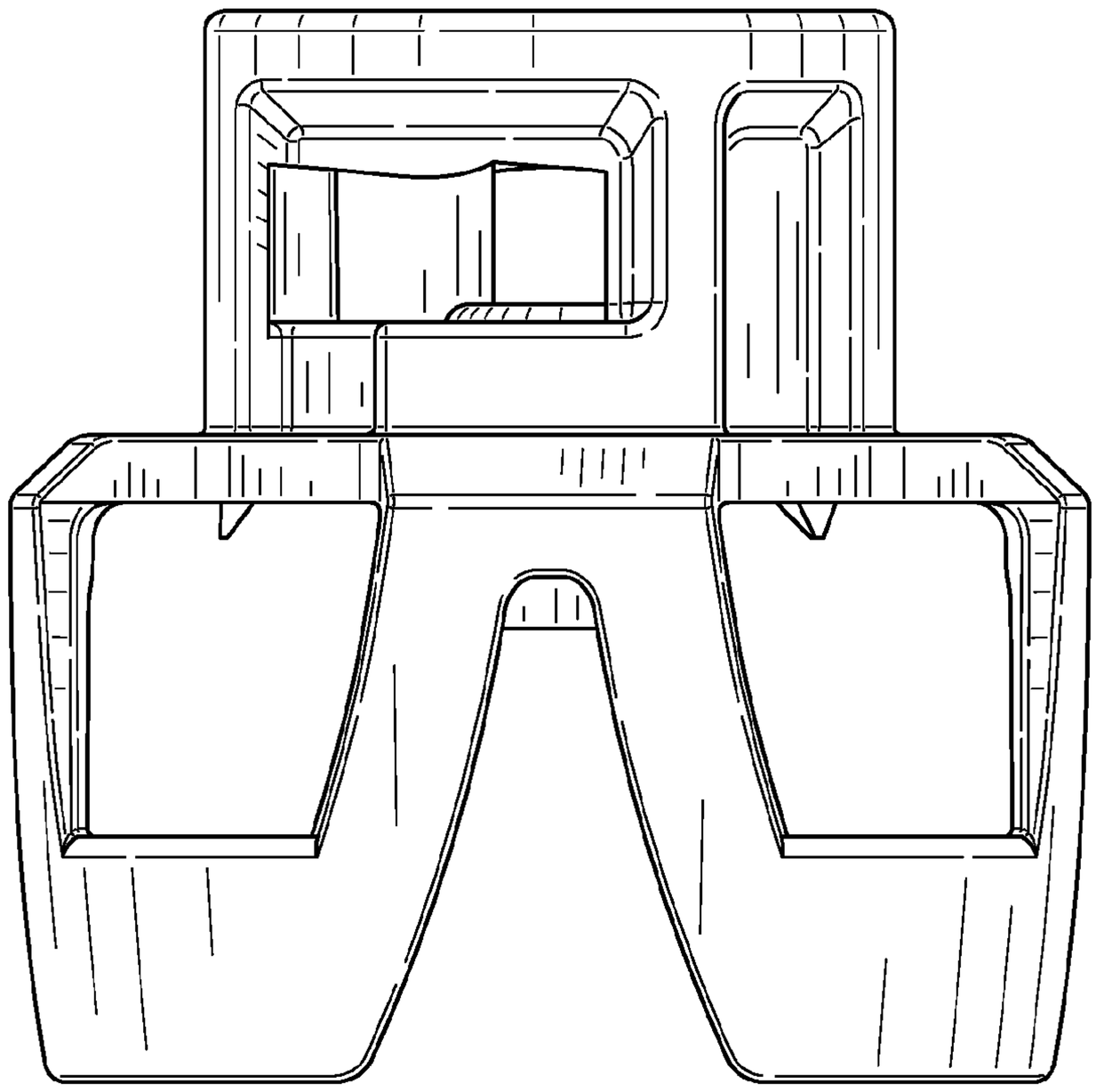


FIG. 4

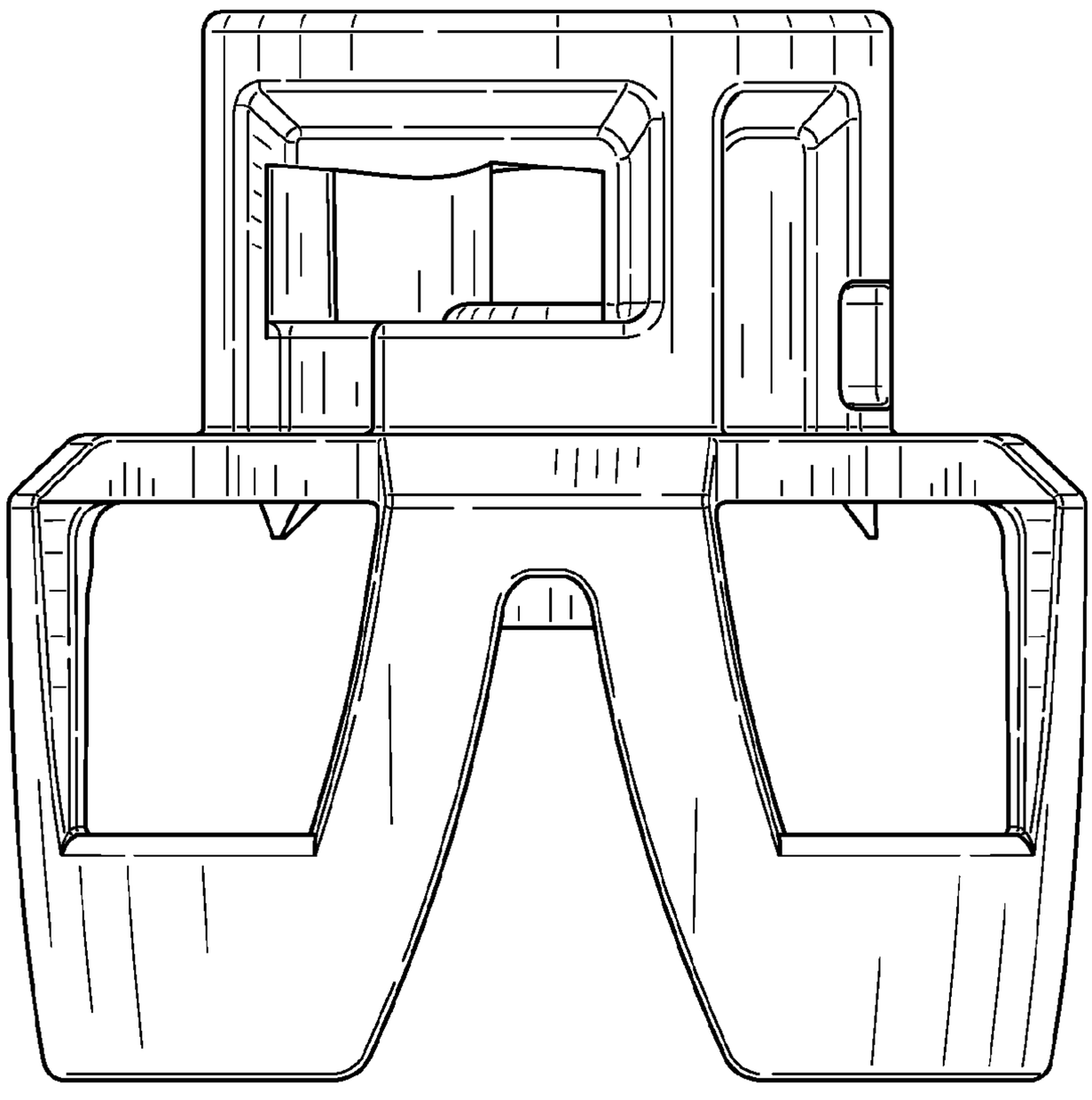


FIG. 5

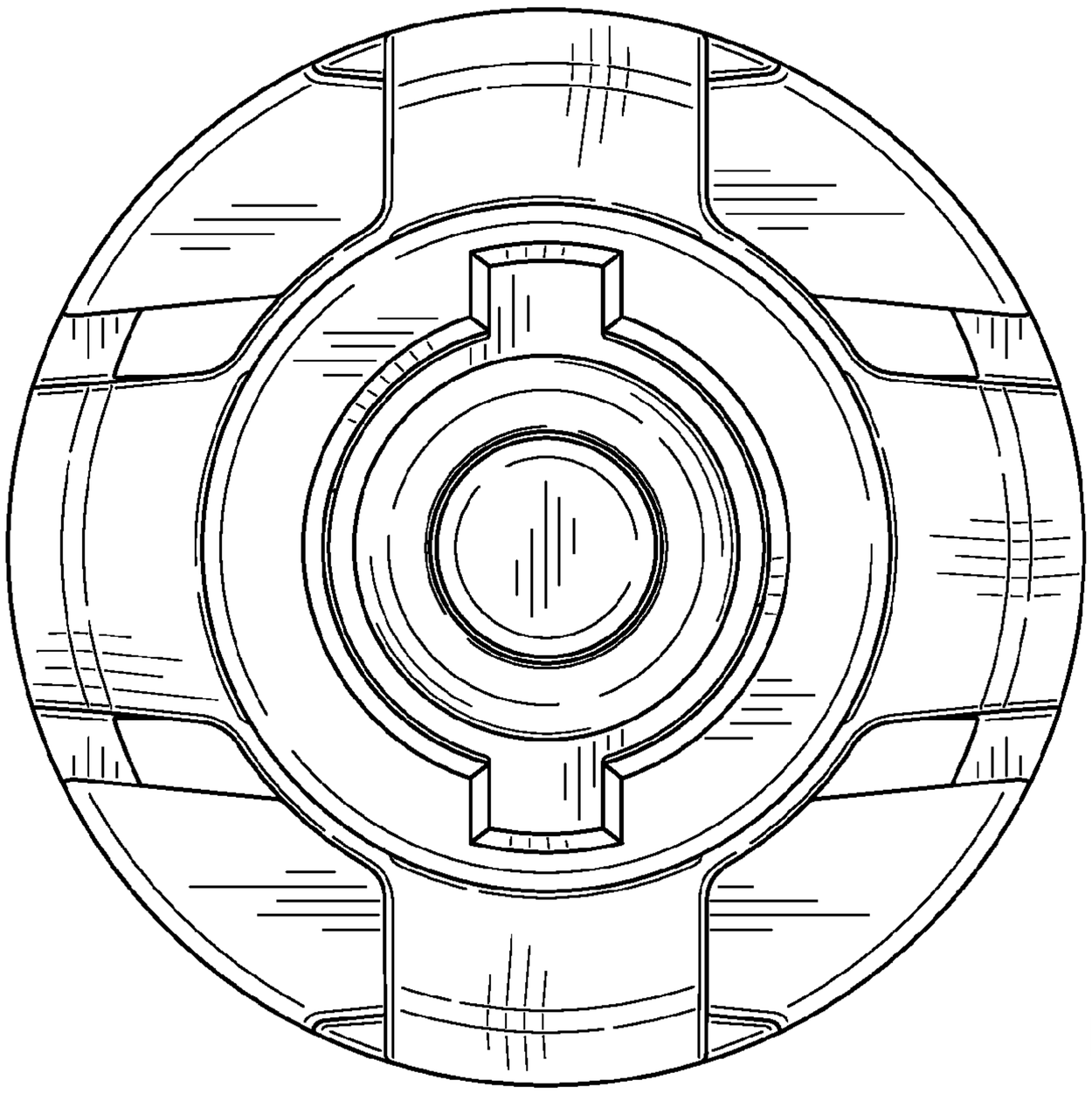


FIG. 6

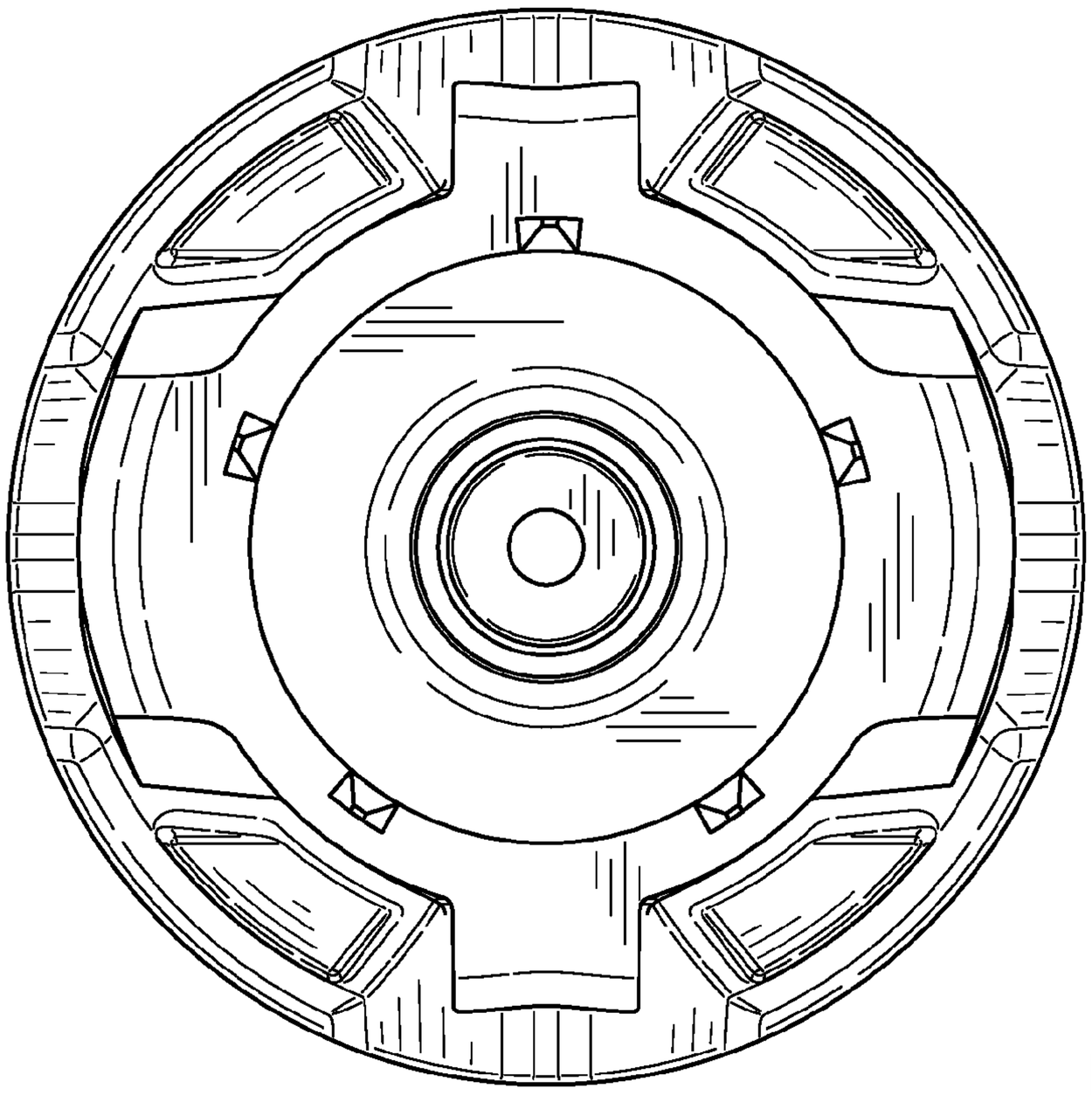


FIG. 7

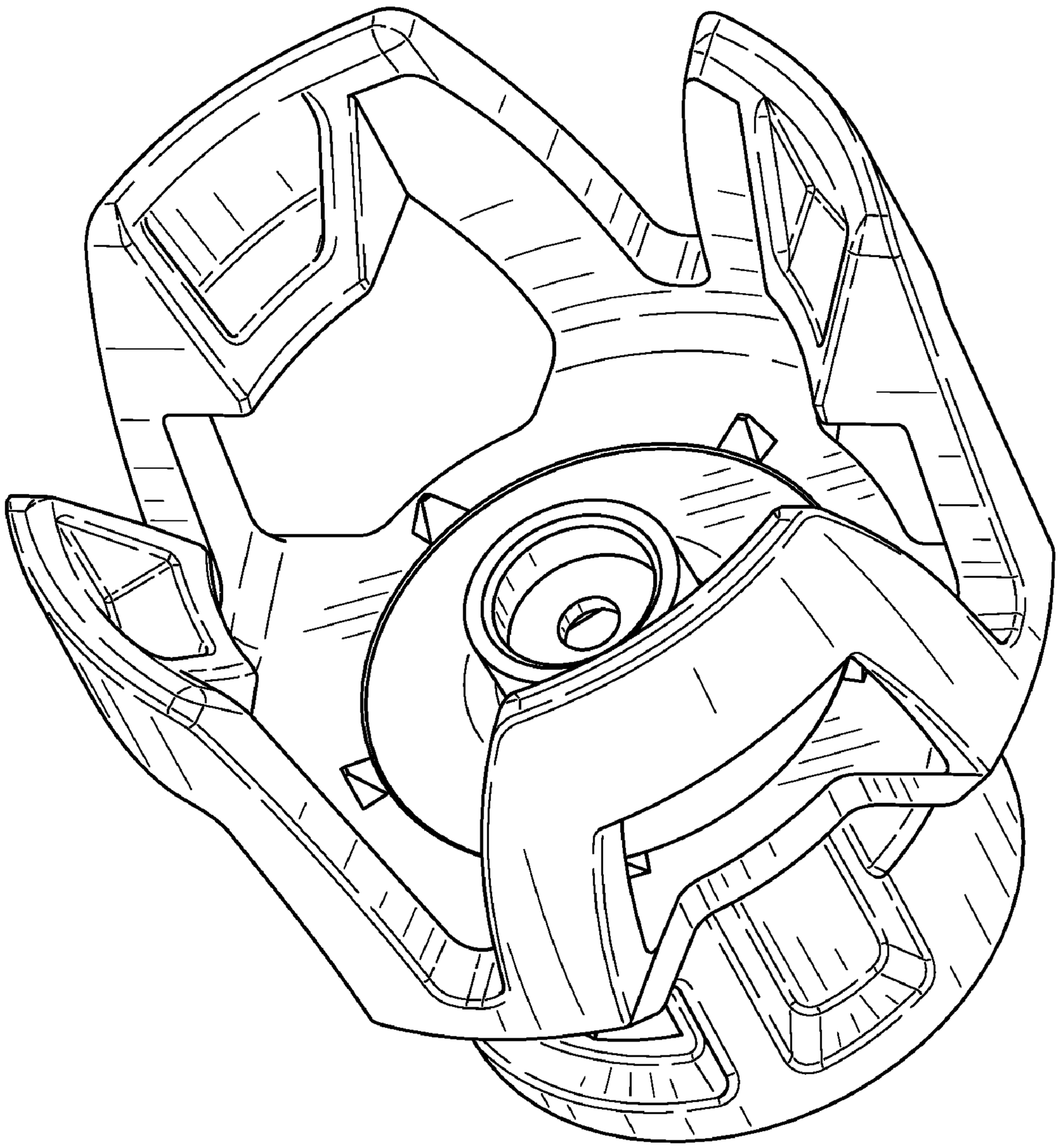


FIG. 8