US00D884167S

(12) United States Design Patent

Ierulli

(10) Patent No.: US D884,167 S
(45) Date of Patent: ** May 12, 2020

(54) **EXTERNAL NASAL DILATOR**

(71) Applicant: **Joseph V. Ierulli**, Bradenton, FL (US)

(72) Inventor: **Joseph V. Ierulli**, Bradenton, FL (US)

(73) Assignee: **Corbett Lair, Inc.**, Sarasota, FL (US)

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

(21) Appl. No.: **29/667,495**

(22) Filed: **Oct. 22, 2018**

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/135**

(58) **Field of Classification Search**
USPC D24/135, 189, 106
CPC .. A61M 29/00; A61F 5/08; A61F 5/56; A61H 39/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,476,091	A		12/1995	Johnson
5,479,944	A		1/1996	Petruson
5,533,499	A		7/1996	Johnson
5,533,503	A		7/1996	Doubek et al.
5,546,929	A		8/1996	Muchin
5,549,103	A		8/1996	Johnson
RE35,408	E		12/1996	Petruson
5,611,333	A		3/1997	Johnson
5,653,224	A		8/1997	Johnson
5,706,800	A		1/1998	Cronk et al.
5,718,224	A		2/1998	Muchin
5,769,089	A		6/1998	Hand et al.
5,890,486	A		4/1999	Mitra et al.
5,931,854	A		8/1999	Dillon
5,957,126	A		9/1999	Neeser
6,006,746	A		12/1999	Karell
6,029,658	A		2/2000	De Voss
6,058,931	A		5/2000	Muchin
6,065,470	A		5/2000	Van Cromvoirt et al.
D430,295	S	*	8/2000	Ierulli D24/135
6,098,616	A		8/2000	Lundy et al.
6,196,228	B1		3/2001	Kreitzer et al.
6,244,265	B1		6/2001	Cronk et al.
6,276,360	B1		8/2001	Cronk et al.
6,318,362	B1		11/2001	Johnson

(Continued)

FOREIGN PATENT DOCUMENTS

EP	855175 A1	7/1998
ES	289561	10/1985

Primary Examiner — Richelle G Shelton
(74) *Attorney, Agent, or Firm* — Mersenne Law

(57) **CLAIM**

The ornamental design for an external nasal dilator, as shown and described.

DESCRIPTION

FIG. **1** is a top plan view of a first embodiment of the invention.

FIG. **2** is a side view of the first embodiment of the invention as applied across the bridge of a user's nose.

FIG. **3** is a three-quarter perspective view of the first embodiment of the invention.

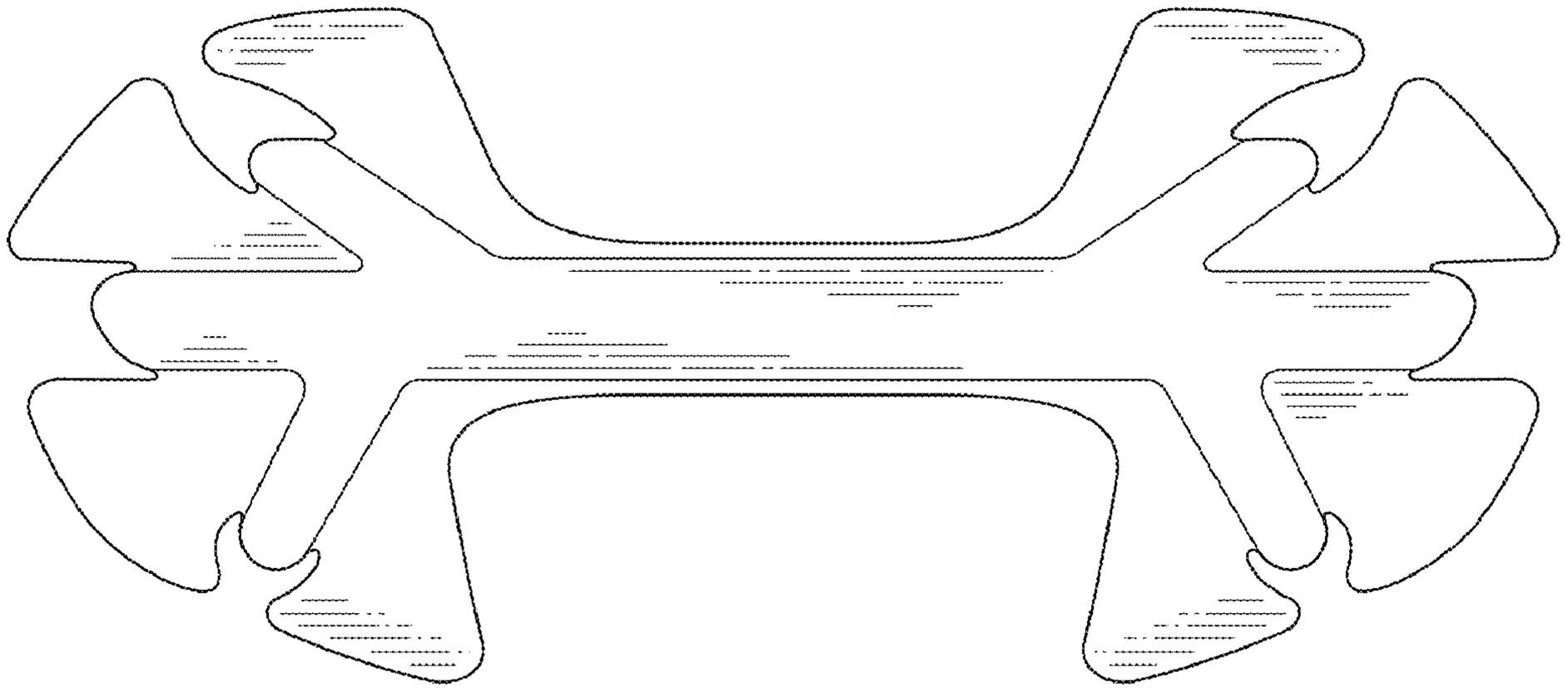
FIG. **4** is a top plan view of a second embodiment of the invention.

FIG. **5** a side view of the second embodiment of the invention as applied across the bridge of a user's nose; and,

FIG. **6** is a three-quarter perspective view of the second embodiment of the invention.

The broken line showing of periphery is for the purpose of illustrating portions of the periphery of the external nasal dilator and forms no part of the claimed design. The broken line showing of human facial features is directed to environment and is for illustrative purposes only; the broken line forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



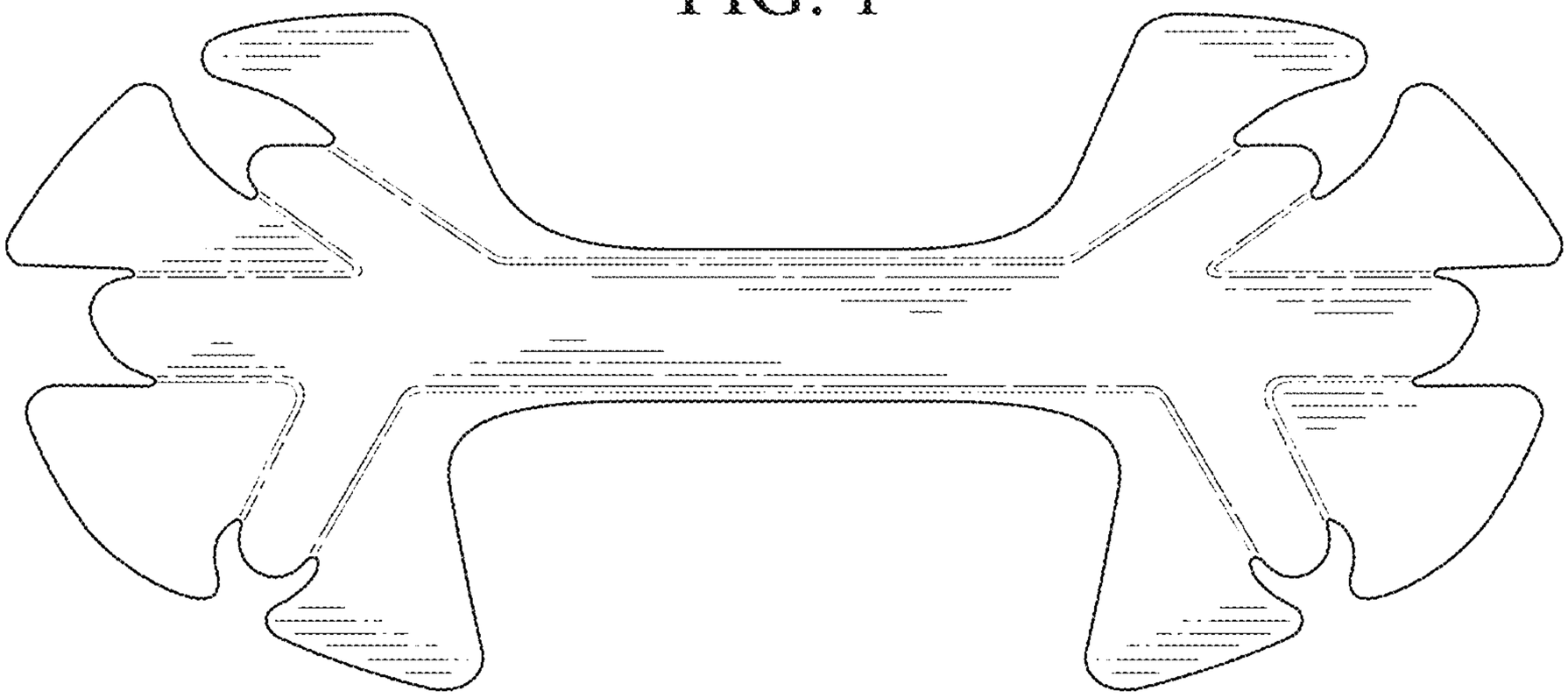
(56) **References Cited**

U.S. PATENT DOCUMENTS

6,357,436	B1	3/2002	Kreitzer et al.	
6,375,667	B1	4/2002	Ruch	
6,453,901	B1	9/2002	Ierulli	
6,470,883	B1	10/2002	Beaudry	
6,550,474	B1	4/2003	Anderson et al.	
6,694,970	B2	2/2004	Spinelli et al.	
6,769,428	B2	8/2004	Cronk et al.	
6,769,429	B1 *	8/2004	Benetti	A61F 5/08 128/200.24
7,067,710	B1	6/2006	Beaudry	
7,114,495	B2	10/2006	Lockwood, Jr.	
D639,762	S *	6/2011	Brogden	D24/135
D644,325	S	8/2011	Brunner et al.	
D644,324	S	10/2011	Brunner et al.	
8,047,201	B2	11/2011	Guyuron et al.	
8,062,329	B2	11/2011	Ierulli	
D651,710	S	1/2012	Brogden et al.	
8,115,049	B2	2/2012	Beaudry	
D659,245	S	5/2012	Ierulli	
8,188,330	B2	5/2012	Beaudry	
D662,203	S	6/2012	Smith	
D667,543	S	9/2012	Ierulli	
D671,643	S	11/2012	Ierulli	
D672,461	S	12/2012	Brogden et al.	
D672,872	S	12/2012	Brunner et al.	
D673,270	S	12/2012	Brunner et al.	
8,342,173	B2	1/2013	Lockwood, Jr.	
8,444,670	B2	5/2013	Ierulli	
8,584,671	B2	11/2013	Ierulli	
8,616,198	B2	12/2013	Guyuron et al.	
8,617,199	B2	12/2013	Eull et al.	
8,641,852	B2	2/2014	Ierulli	
D707,814	S	6/2014	Ierulli	
D707,815	S	6/2014	Ierulli	
8,834,511	B2	9/2014	Holmes et al.	
8,834,512	B1	9/2014	Brown et al.	
8,834,514	B2	9/2014	Smith	
8,858,587	B2	10/2014	Ierulli	
D722,161	S	2/2015	Reyers	
D722,162	S *	2/2015	Reyers	D24/135
D725,772	S *	3/2015	Ierulli	D24/135
D725,773	S *	3/2015	Ierulli	D24/135
9,095,422	B2	8/2015	Gray	
D738,496	S	9/2015	Peck	
D739,015	S	9/2015	Martin	
9,119,620	B2	9/2015	Peterson et al.	
D741,997	S	10/2015	Ierulli	
D741,998	S	10/2015	Martin	
D743,544	S	11/2015	Ierulli	
D743,545	S	11/2015	Ierulli	
D743,565	S	11/2015	Engel et al.	
D745,147	S	12/2015	Ierulli	
9,204,988	B1	12/2015	Fischell	
D746,982	S	1/2016	Ierulli	
D747,478	S	1/2016	Brunner et al.	
D753,294	S	4/2016	Guyuron et al.	
D755,376	S	5/2016	Ierulli	
D758,575	S	6/2016	Ierulli	
D758,576	S	6/2016	Ierulli et al.	
D759,240	S	6/2016	Ierulli	
D759,241	S	6/2016	Ierulli	
D759,242	S	6/2016	Ierulli	
9,364,367	B2	6/2016	Ierulli	
9,364,368	B2	6/2016	Ierulli	
9,381,332	B2	7/2016	Judd	
D764,055	S *	8/2016	Ierulli	D24/135
D764,662	S	8/2016	Ierulli et al.	
9,414,957	B1	8/2016	Fischell	
9,427,945	B2	8/2016	Gray et al.	
D779,666	S	2/2017	Ierulli et al.	
D779,667	S	2/2017	Ierulli et al.	
9,566,183	B1	2/2017	Fischell	
D788,298	S	5/2017	Guyuron et al.	
9,642,995	B2	5/2017	Fenton et al.	
D789,531	S	6/2017	Ierulli	
D790,058	S	6/2017	Ierulli et al.	
D790,695	S	6/2017	Ierulli	
D791,312	S	7/2017	Peck	
D791,314	S	7/2017	Ierulli	
9,730,827	B2	8/2017	Ierulli	
9,730,828	B2	8/2017	Ierulli	
9,775,738	B2	10/2017	Andre	
9,844,456	B2	12/2017	Ierulli	
9,901,479	B2	2/2018	Holmes	
9,901,480	B2	2/2018	Ierulli	
9,901,481	B2	2/2018	Ierulli	
D812,749	S	3/2018	Ierulli	
D813,387	S	3/2018	Ierulli et al.	
D814,029	S	3/2018	Ierulli	
10,010,442	B2	7/2018	Ierulli	
2008/0058858	A1	3/2008	Smith	
2008/0097517	A1	4/2008	Holmes et al.	
2009/0125052	A1	5/2009	Pinna et al.	
2009/0234383	A1	9/2009	Ierulli	
2010/0210988	A1	8/2010	Dallison	
2010/0298861	A1	11/2010	Fenton	
2011/0000483	A1	1/2011	Matthias et al.	
2011/0054517	A1	3/2011	Holmes et al.	
2011/0093004	A1 *	4/2011	Ierulli	A61F 5/08 606/204.45
2011/0166594	A1	7/2011	Eull	
2011/0224717	A1	9/2011	Lockwood	
2012/0004683	A1	1/2012	Gray	
2012/0022582	A1	1/2012	Guyuron	
2012/0067345	A1	3/2012	Shilon	
2012/0172923	A1	7/2012	Fenton	
2012/0209313	A1	8/2012	Ierulli	
2012/0232455	A1	9/2012	Beaudry	
2013/0104882	A1 *	5/2013	Ierulli	A61F 5/08 128/200.24
2013/0118488	A1	5/2013	Ledogar	
2014/0194922	A1	7/2014	Ierulli	
2014/0148844	A1	10/2014	Andre	
2014/0296904	A1	10/2014	Andre	
2014/0350596	A1	11/2014	Smith	
2015/0005812	A1	1/2015	Holmes	
2015/0012035	A1	1/2015	Ierulli	
2015/0051636	A1	2/2015	Lockwood	
2015/0090398	A1 *	4/2015	Ierulli	A61F 5/08 156/248
2015/0090399	A1	4/2015	Ierulli	
2015/0094757	A1	4/2015	Ierulli	
2015/0094758	A1	4/2015	Ierulli	
2015/0216709	A1	8/2015	Peck	
2015/0230966	A1	8/2015	Ierulli	
2015/0250637	A1	9/2015	Ierulli	
2015/0290021	A1	10/2015	Gray	
2015/0359654	A1	12/2015	Bentivegna et al.	
2016/0008161	A1 *	1/2016	Ierulli	A61F 5/08 606/204.45
2016/0278967	A1	9/2016	Ierulli	
2016/0278968	A1	9/2016	Ierulli	
2016/0339619	A1	11/2016	Gray et al.	
2017/0112653	A9	4/2017	Ierulli	
2017/0143531	A9	5/2017	Ierulli	
2017/0151084	A9	6/2017	Ierulli	
2018/0021163	A9	1/2018	Ierulli	
2018/0028346	A1	2/2018	Ierulli	
2018/0071131	A1	3/2018	Ierulli	

* cited by examiner

FIG. 1



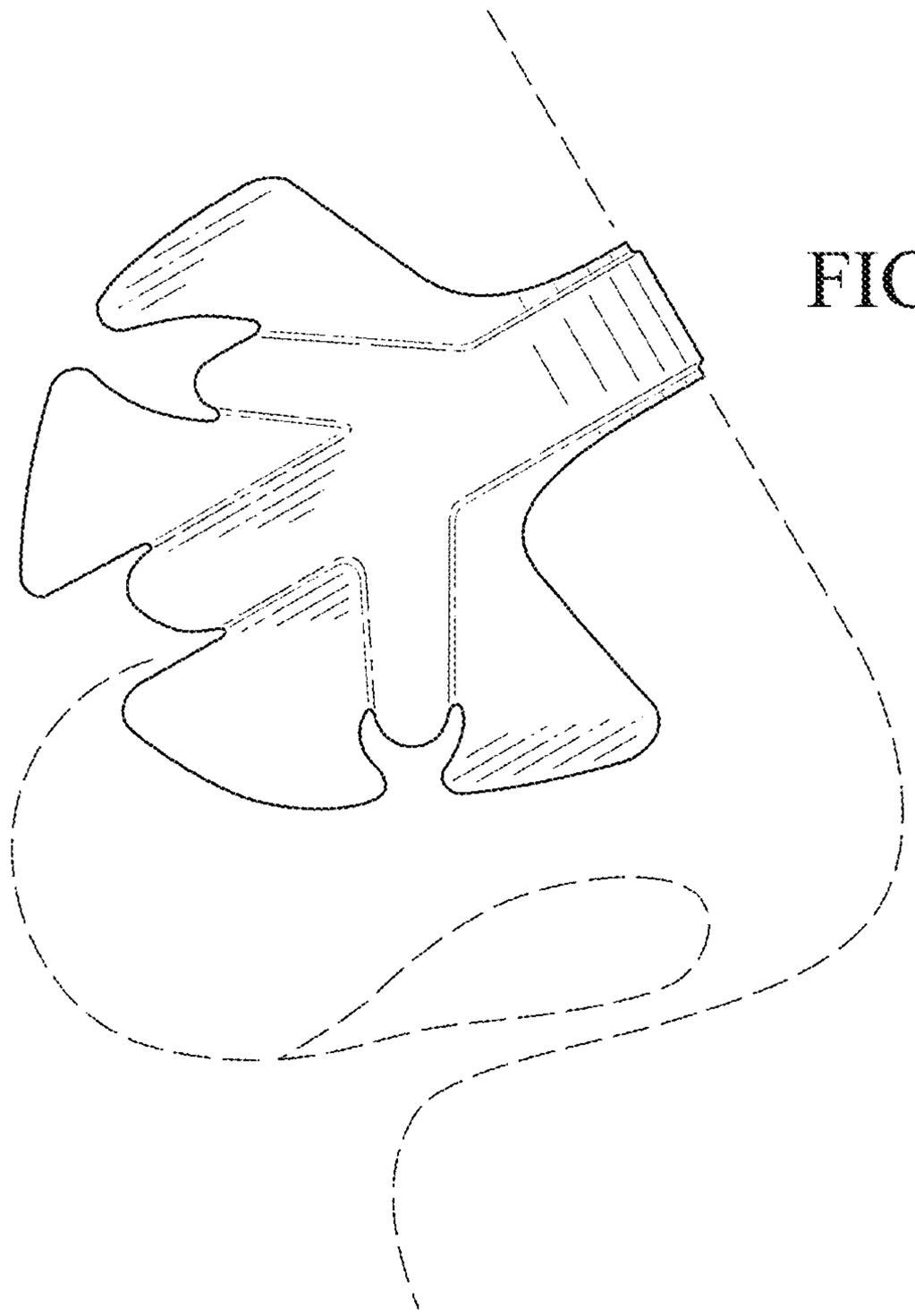


FIG. 2

FIG. 3

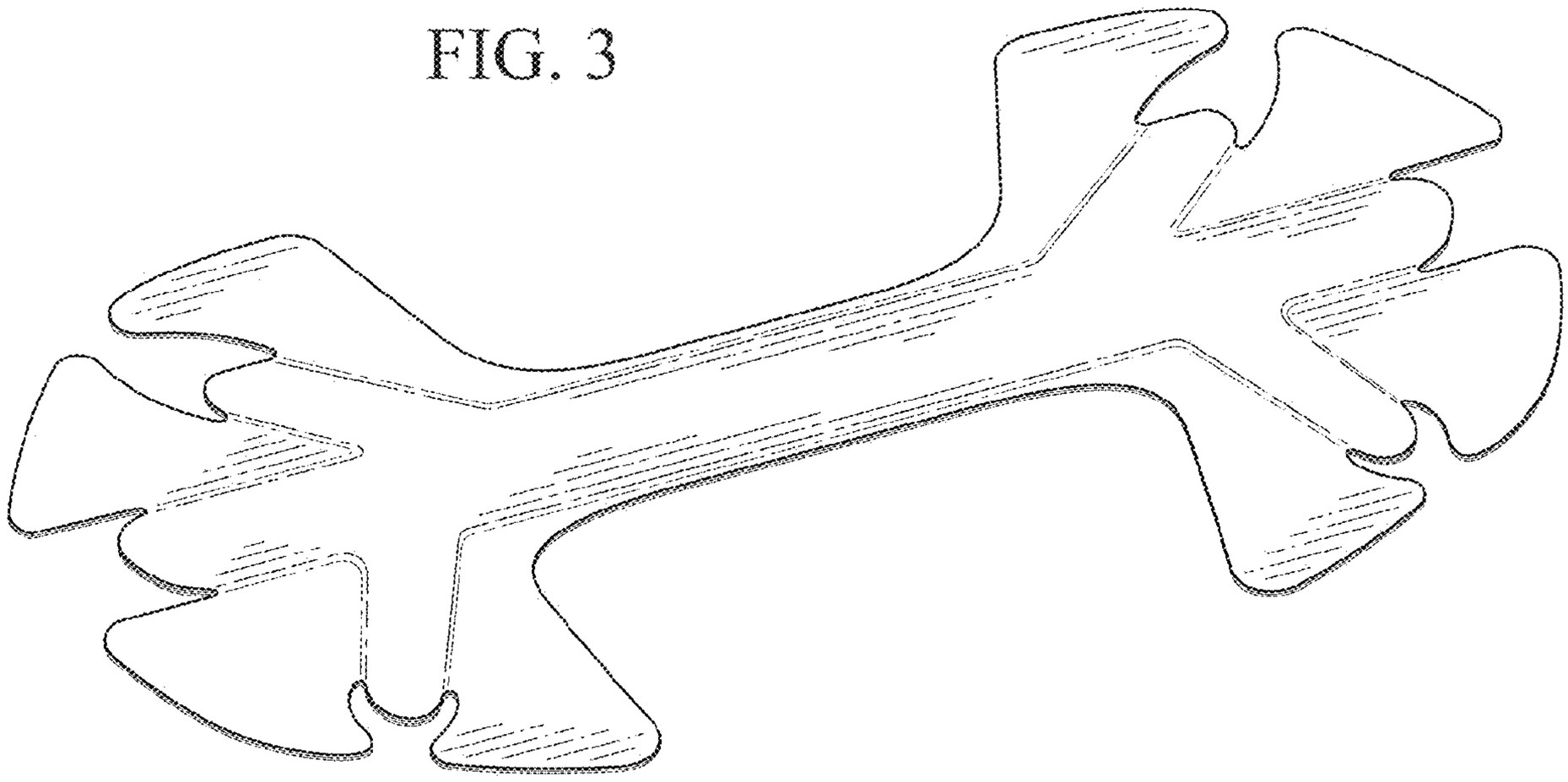
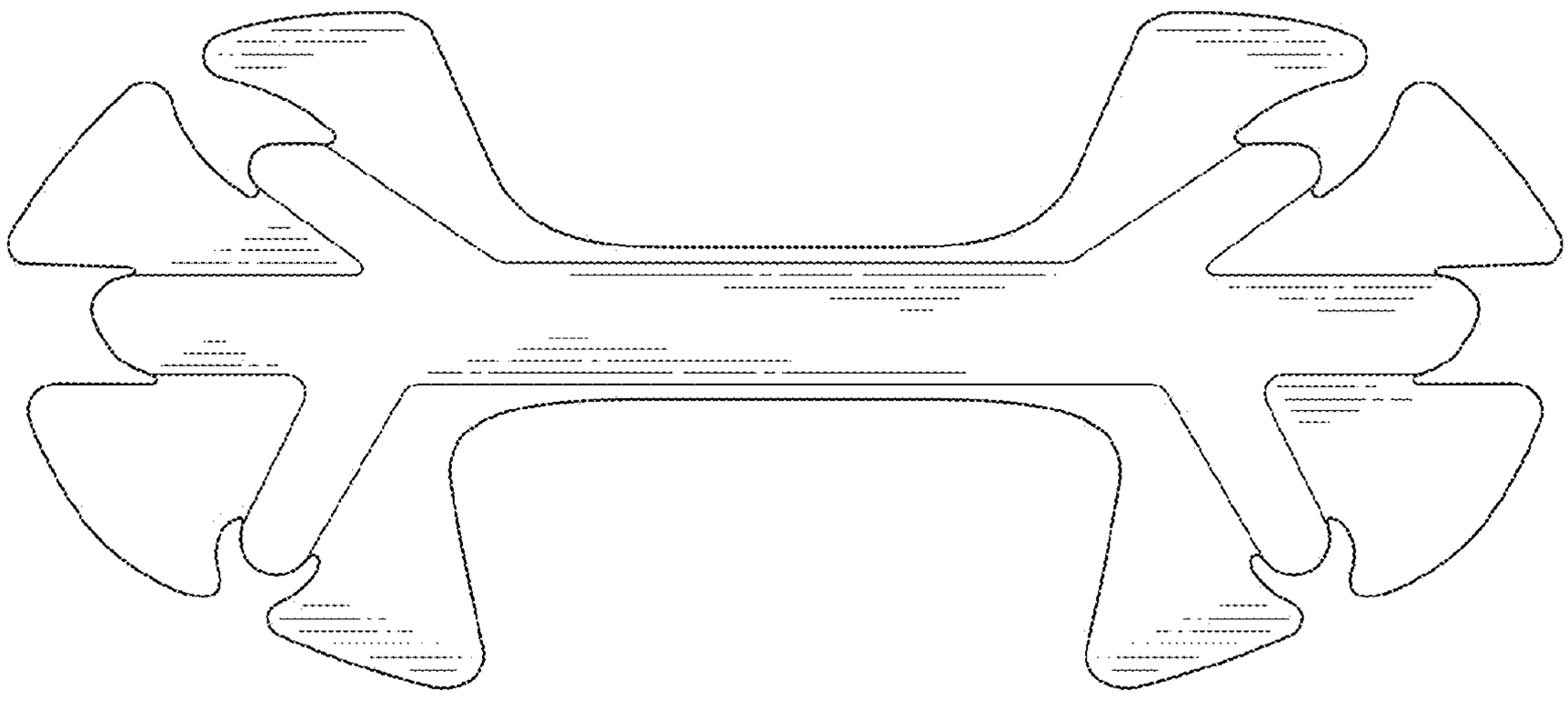


FIG. 4



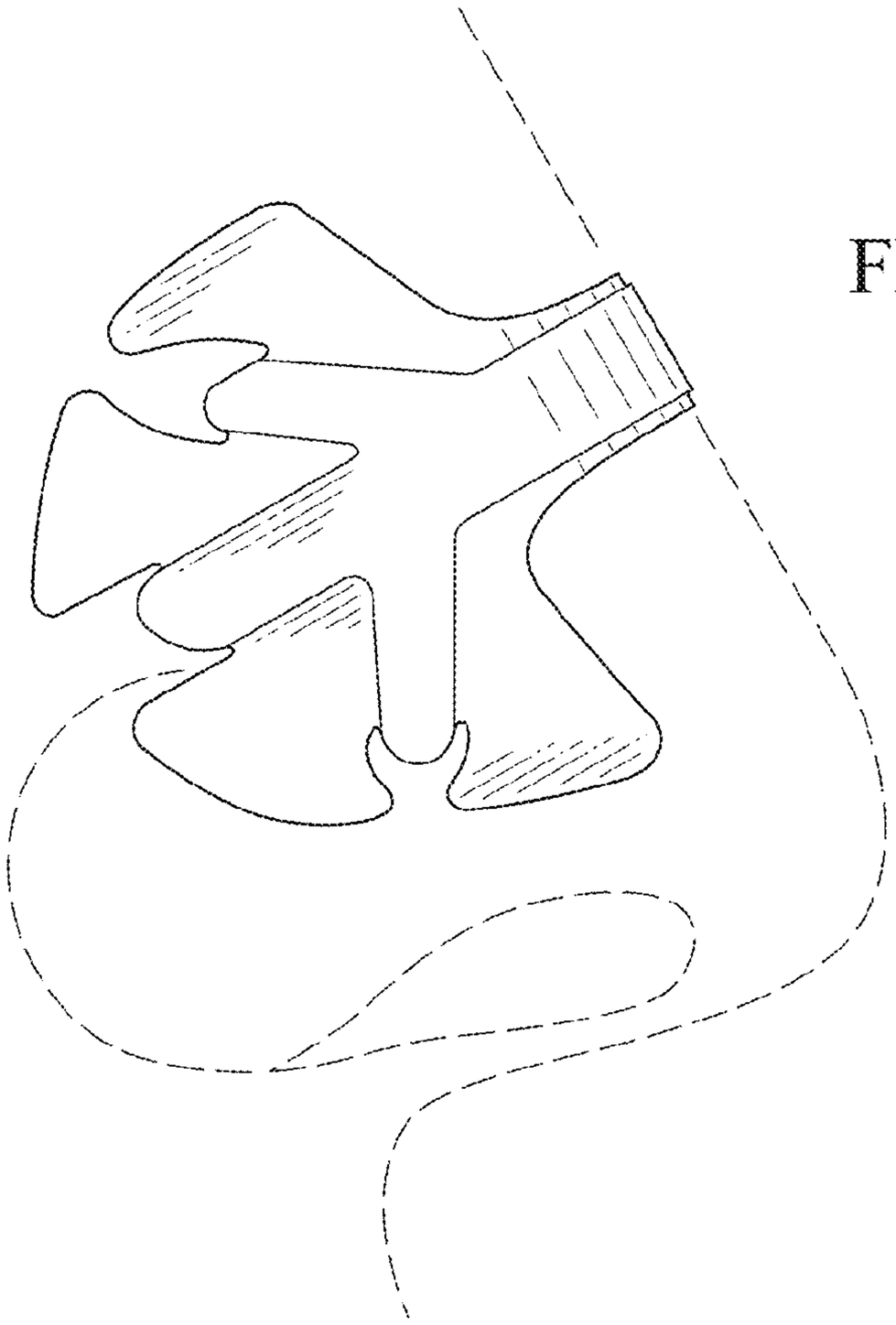


FIG. 5

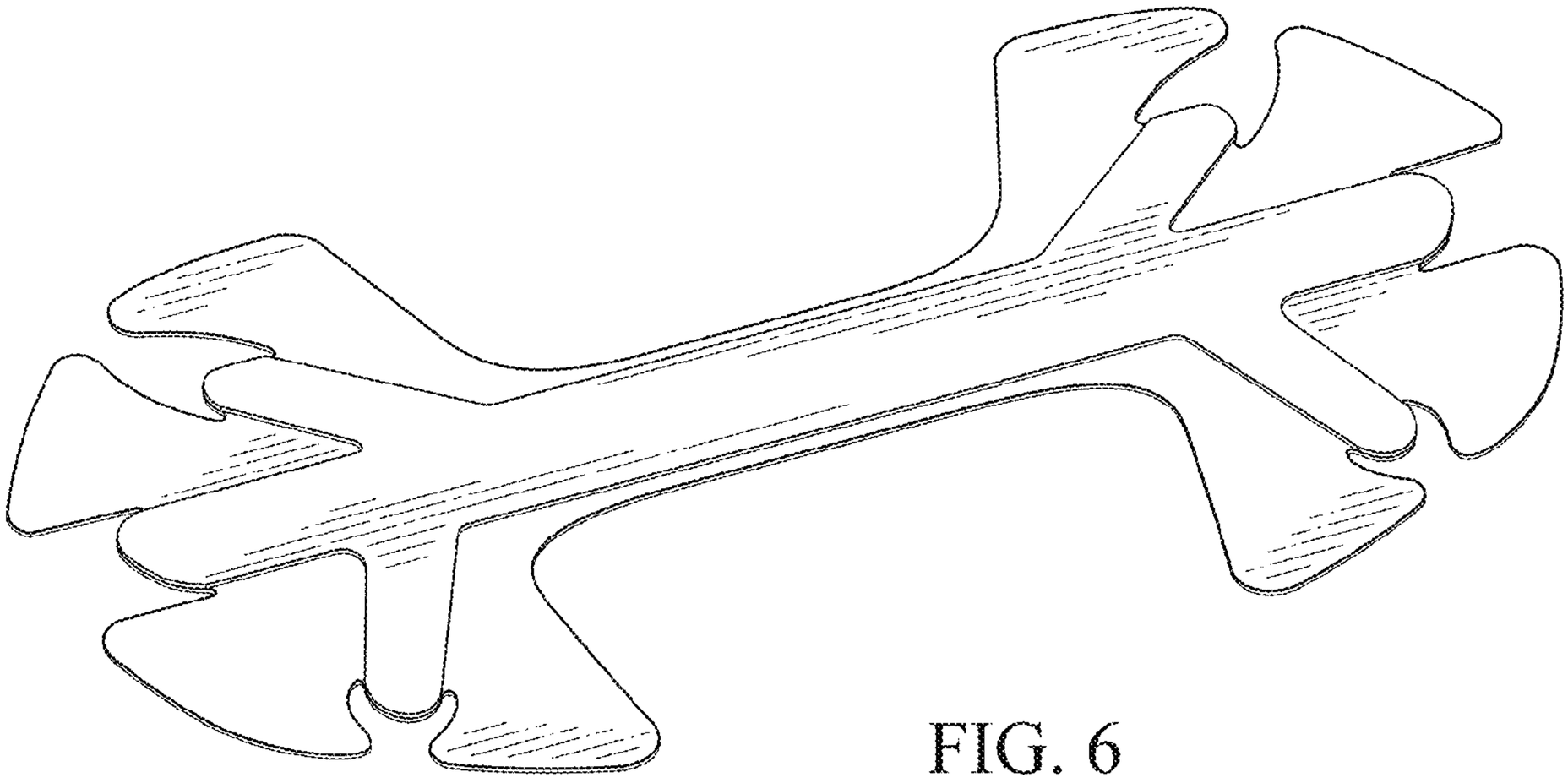


FIG. 6