



US00D914887S

(12) **United States Design Patent** (10) **Patent No.:** **US D914,887 S**
Allen et al. (45) **Date of Patent:** **** Mar. 30, 2021**

- (54) **WOUND DRESSING**
- (71) Applicant: **Smith & Nephew PLC**, Watford (GB)
- (72) Inventors: **Julie Allen**, Hull (GB); **Ben Alan Askem**, Brough (GB); **Sarah Jenny Collinson**, Hull (GB); **Philip Gowans**, York (GB); **Derek Nicolini**, Hull (GB); **Mark Russell**, Roos (GB)
- (73) Assignee: **Smith & Nephew PLC**, Watford (GB)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/663,872**
- (22) Filed: **Sep. 19, 2018**

- 4,605,399 A 8/1986 Weston et al.
- 4,728,499 A 3/1988 Fehder
- 4,798,603 A 1/1989 Meyer et al.
- 4,813,942 A 3/1989 Alvarez
- 4,834,735 A 5/1989 Alemany et al.
- (Continued)

FOREIGN PATENT DOCUMENTS

- AU 674837 B2 1/1997
- DE 3443101 A1 5/1986
- (Continued)

OTHER PUBLICATIONS

- US 7,186,244 B1, 03/2007, Hunt et al. (withdrawn)
- (Continued)

Primary Examiner — Jennifer L Watkins
(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear, LLP

Related U.S. Application Data

- (63) Continuation of application No. 14/418,908, filed on Jan. 30, 2015, now Pat. No. 10,667,955.
- (51) **LOC (13) Cl.** **24-01**
- (52) **U.S. Cl.**
USPC **D24/189**
- (58) **Field of Classification Search**
USPC D24/128, 134, 187, 188–192
CPC .. A61M 1/0088; A61M 27/00; A61M 1/0031;
A61M 1/0092; A61M 1/0023
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a wound dressing, as shown and described.

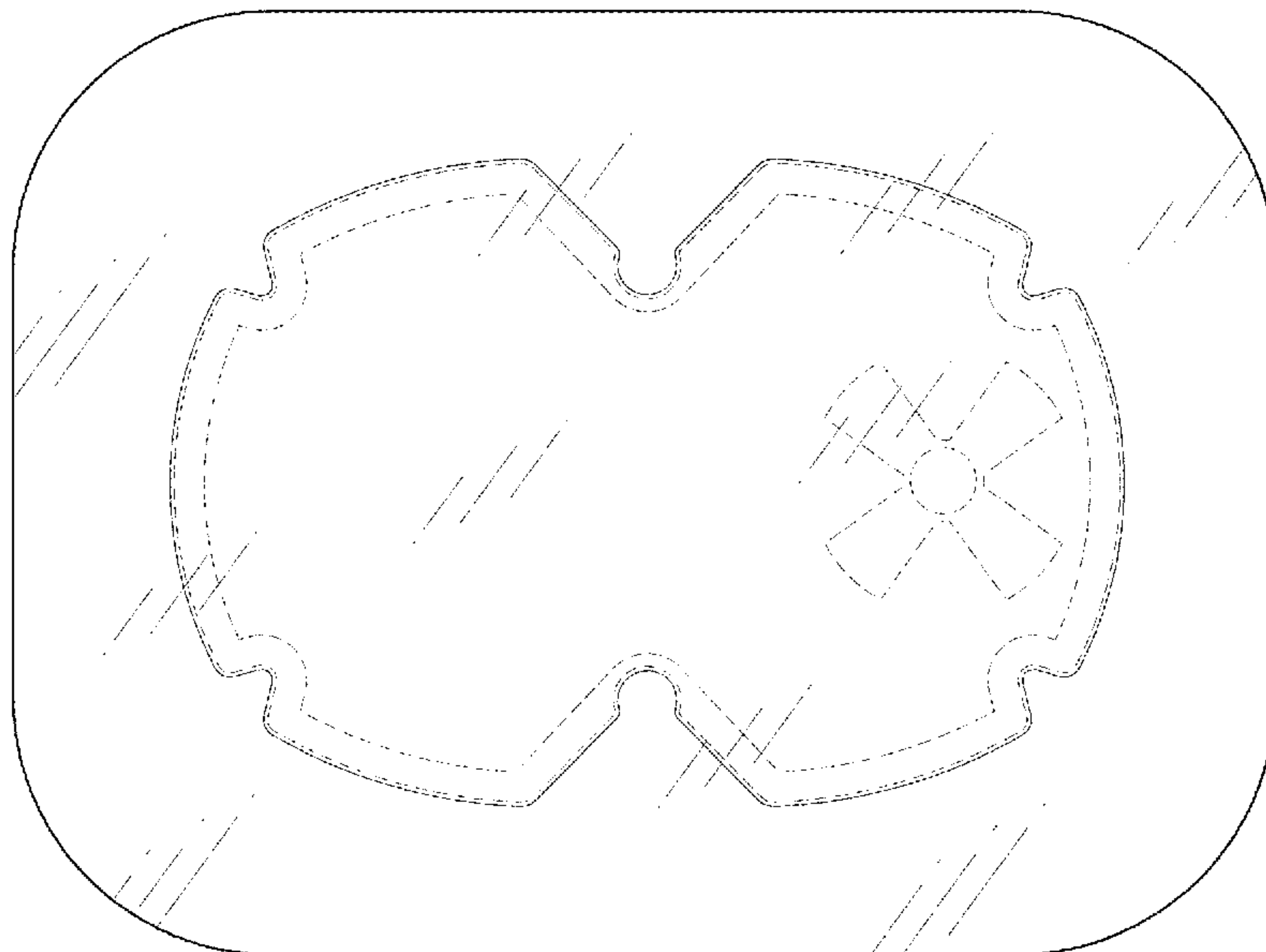
DESCRIPTION

The present application is a continuation of U.S. application Ser. No. 14/418,098, filed Jan. 30, 2015, entitled “Wound Dressing and Method of Treatment”, the entireties of which are hereby incorporated by reference.
FIG. 1 is a top view of an ornamental design of a wound dressing.
FIG. 2 is a bottom view of the wound dressing of FIG. 1.
FIG. 3 is a left view of the wound dressing of FIG. 1.
FIG. 4 is a right view of the wound dressing of FIG. 1; and, FIG. 5 is a side view of the wound dressing of FIG. 1.
The broken lines illustrate portions of the wound dressing which form no part of the claimed design.

(56) **References Cited**
U.S. PATENT DOCUMENTS

- 2,905,174 A 9/1959 Smith
- 3,285,245 A 11/1966 Eldredge et al.
- 3,568,675 A 3/1971 Harvey
- 3,687,136 A 8/1972 Carmody
- 3,943,734 A 3/1976 Fleissner
- 3,972,328 A 8/1976 Chen
- 4,029,598 A 6/1977 Neisius et al.
- 4,093,277 A 6/1978 Nolan et al.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,846,164 A	7/1989	Martz	5,536,264 A	7/1996	Hsueh et al.
4,921,492 A	5/1990	Schultz	5,538,500 A	7/1996	Peterson
4,968,181 A	11/1990	Goldman	H1585 H	8/1996	Ahr
4,969,880 A	11/1990	Zamierowski	5,545,155 A	8/1996	Hseih et al.
4,973,325 A	11/1990	Sherrod et al.	5,549,584 A	8/1996	Gross
4,988,344 A	1/1991	Reising et al.	5,549,589 A	8/1996	Horney et al.
4,988,345 A	1/1991	Reising	5,562,107 A	10/1996	Lavender et al.
5,000,172 A	3/1991	Ward	5,562,646 A	10/1996	Goldman et al.
5,018,515 A	5/1991	Gilman	5,562,650 A	10/1996	Everett et al.
5,021,050 A	6/1991	Iskra	5,579,765 A	12/1996	Cox et al.
5,037,409 A	8/1991	Chen et al.	5,591,148 A	1/1997	McFall et al.
5,056,510 A	10/1991	Gilman	5,591,149 A	1/1997	Cree et al.
5,061,258 A	10/1991	Martz	5,599,289 A	2/1997	Castellana
5,065,600 A	11/1991	Byles	5,603,707 A	2/1997	Trombetta et al.
5,100,396 A	3/1992	Zamierowski	5,603,946 A	2/1997	Constantine
5,115,801 A	5/1992	Cartmell et al.	5,609,588 A	3/1997	DiPalma et al.
5,124,197 A	6/1992	Bernardin et al.	5,613,960 A	3/1997	Mizutani
5,149,334 A	9/1992	Lahrman et al.	5,614,283 A	3/1997	Pontis et al.
5,151,091 A	9/1992	Glaug et al.	5,614,295 A	3/1997	Quincy, III et al.
5,160,328 A	11/1992	Cartmell et al.	5,618,556 A	4/1997	Johns et al.
5,171,391 A	12/1992	Chmielewski et al.	5,628,736 A	5/1997	Thompson
5,175,046 A	12/1992	Nguyen	5,632,731 A	5/1997	Patel
5,180,375 A	1/1993	Feibus	H1657 H	6/1997	Hammons et al.
5,181,905 A	1/1993	Flam	5,634,915 A	6/1997	Osterdahl
5,197,945 A	3/1993	Cole et al.	5,636,643 A	6/1997	Argenta et al.
5,217,445 A	6/1993	Young et al.	5,637,080 A	6/1997	Geng
5,236,427 A	8/1993	Hamajima et al.	5,643,238 A	7/1997	Baker
5,238,732 A	8/1993	Krishnan	5,645,081 A	7/1997	Argenta et al.
5,242,435 A	9/1993	Murji et al.	5,648,142 A	7/1997	Phillips
5,257,982 A	11/1993	Cohen et al.	5,649,915 A	7/1997	Chauvette et al.
5,261,893 A	11/1993	Zamierowski	5,649,916 A	7/1997	DiPalma et al.
5,271,987 A	12/1993	Iskra	5,662,599 A	9/1997	Reich et al.
5,281,208 A	1/1994	Thompson et al.	5,665,082 A	9/1997	Boulanger
5,294,478 A	3/1994	Wanek et al.	5,669,895 A	9/1997	Murakami et al.
5,296,290 A	3/1994	Brassington	5,675,079 A	10/1997	Gilman et al.
5,314,743 A	5/1994	Meirowitz et al.	5,678,564 A	10/1997	Lawrence et al.
5,318,554 A	6/1994	Young et al.	5,700,254 A	12/1997	McDowall et al.
5,330,456 A	7/1994	Robinson	5,701,917 A	12/1997	Khouri
5,336,219 A	8/1994	Krantz	5,702,356 A	12/1997	Hathman
5,342,336 A	8/1994	Meirowitz et al.	5,704,905 A	1/1998	Jensen et al.
5,348,547 A	9/1994	Payne et al.	5,707,499 A	1/1998	Joshi et al.
5,354,261 A	10/1994	Clark et al.	5,713,384 A	2/1998	Roach et al.
5,356,405 A	10/1994	Thompson et al.	5,713,842 A	2/1998	Kay
5,358,492 A	10/1994	Feibus	5,716,703 A	2/1998	Payne
5,360,420 A	11/1994	Cook et al.	5,728,084 A	3/1998	Palumbo et al.
5,364,381 A	11/1994	Soga et al.	5,728,085 A	3/1998	Widlund et al.
5,364,382 A	11/1994	Latimer et al.	5,733,273 A	3/1998	Ahr
5,366,451 A	11/1994	Levesque	5,752,945 A	5/1998	Mosley et al.
5,368,909 A	11/1994	Langdon et al.	5,759,570 A	6/1998	Arnold
5,368,926 A	11/1994	Thompson et al.	5,762,641 A	6/1998	Bewick-Sonntag et al.
5,374,260 A	12/1994	Lemay et al.	5,788,684 A	8/1998	Abuto et al.
5,380,294 A	1/1995	Persson	5,795,584 A	8/1998	Totakura et al.
5,382,245 A	1/1995	Thompson et al.	5,801,107 A	9/1998	Everhart et al.
5,387,208 A	2/1995	Ashton et al.	5,810,798 A	9/1998	Finch et al.
5,397,316 A	3/1995	LaVon et al.	5,817,081 A	10/1998	LaVon et al.
5,401,267 A	3/1995	Couture-Dorschner et al.	5,827,213 A	10/1998	Jensen
5,425,725 A	6/1995	Tanzer et al.	5,827,254 A	10/1998	Trombetta et al.
5,431,643 A	7/1995	Ouellette et al.	5,830,202 A	11/1998	Bogdanski et al.
5,447,492 A	9/1995	Cartmell et al.	5,837,627 A	11/1998	Halabisky et al.
5,454,800 A	10/1995	Hirt et al.	5,840,052 A	11/1998	Johns
5,456,660 A	10/1995	Reich et al.	5,843,025 A	12/1998	Shaari
5,465,735 A	11/1995	Patel	5,843,064 A	12/1998	Koczab
5,470,326 A	11/1995	Dabi et al.	5,852,126 A	12/1998	Barnard et al.
H1511 H	12/1995	Chappell et al.	5,855,572 A	1/1999	Schmidt
5,480,377 A	1/1996	Cartmell et al.	5,865,822 A	2/1999	Hamajima et al.
5,486,167 A	1/1996	Dragoo et al.	5,865,824 A	2/1999	Chen et al.
5,487,736 A	1/1996	Van Phan	5,873,867 A	2/1999	Coles et al.
5,497,788 A	3/1996	Inman et al.	5,877,097 A	3/1999	West et al.
5,500,270 A	3/1996	Langdon et al.	5,891,120 A	4/1999	Chmielewski
5,501,661 A	3/1996	Cartmell et al.	5,895,379 A	4/1999	Litchholt et al.
5,505,719 A	4/1996	Cohen et al.	5,897,541 A	4/1999	Uitenbrock et al.
5,509,914 A	4/1996	Osborn, III	5,911,222 A	6/1999	Lawrence et al.
5,514,120 A	5/1996	Johnston et al.	5,916,507 A	6/1999	Dabi et al.
5,525,407 A	6/1996	Yang	5,925,026 A	7/1999	Arteman et al.
5,527,293 A	6/1996	Zamierowski	5,931,823 A	8/1999	Stokes et al.
			5,938,995 A	8/1999	Koltisko, Jr. et al.
			5,941,863 A	8/1999	Guidotti et al.
			5,947,945 A	9/1999	Cree et al.
			5,951,535 A	9/1999	Fujiwara et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

5,961,506	A	10/1999	Guidotti et al.	6,787,682	B2	9/2004	Gilman
5,968,027	A	10/1999	Cole et al.	6,800,074	B2	10/2004	Henley et al.
5,968,855	A	10/1999	Perdelwitz, Jr. et al.	6,835,192	B1	12/2004	Guidotti et al.
5,981,120	A	11/1999	Gundlach	6,838,589	B2	1/2005	Liedtke et al.
5,989,478	A	11/1999	Ouellette et al.	6,841,715	B2	1/2005	Roberts
6,018,092	A	1/2000	Dunshee	6,855,135	B2	2/2005	Lockwood et al.
6,022,610	A	2/2000	Phan et al.	6,936,037	B2	8/2005	Bubb et al.
6,037,518	A	3/2000	Guidotti et al.	6,951,553	B2	10/2005	Bubb et al.
6,040,493	A	3/2000	Cooke et al.	6,960,181	B2	11/2005	Stevens
6,060,638	A	5/2000	Paul et al.	6,979,324	B2	12/2005	Bybordi et al.
6,068,620	A	5/2000	Chmielewski	D515,701	S	2/2006	Horhota et al.
6,071,267	A	6/2000	Zamierowski	6,998,511	B2	2/2006	Worthley
6,075,177	A	6/2000	Bahia et al.	7,004,915	B2	2/2006	Boynton et al.
6,077,526	A	6/2000	Scully et al.	7,049,478	B1	5/2006	Smith et al.
6,096,015	A	8/2000	Yeo et al.	D525,362	S *	7/2006	Nielsen D24/168
6,103,953	A	8/2000	Cree et al.	7,070,584	B2	7/2006	Johnson et al.
6,103,954	A	8/2000	Grondin et al.	7,108,683	B2	9/2006	Zamierowski
6,107,539	A	8/2000	Palumbo et al.	7,112,712	B1	9/2006	Ancell
6,117,523	A	9/2000	Sugahara	7,118,545	B2	10/2006	Boyde
6,124,520	A	9/2000	Roberts	7,122,023	B1	10/2006	Hinoki
6,124,521	A	9/2000	Roberts	7,122,712	B2	10/2006	Lutri et al.
6,127,595	A	10/2000	Makoui et al.	D537,948	S *	3/2007	Smith D24/189
6,142,982	A	11/2000	Hunt et al.	7,195,624	B2	3/2007	Lockwood
6,168,849	B1	1/2001	Braverman et al.	7,198,046	B1	4/2007	Argenta et al.
6,191,340	B1	2/2001	Carlucci et al.	7,216,651	B2	5/2007	Argenta et al.
6,206,865	B1	3/2001	Chen et al.	7,279,612	B1	10/2007	Heaton et al.
6,235,966	B1	5/2001	Magnusson et al.	7,294,751	B2	11/2007	Propp et al.
6,241,697	B1	6/2001	Augustine	7,294,752	B1	11/2007	Propp
6,264,776	B1	7/2001	DiPalma	7,316,672	B1	1/2008	Hunt et al.
6,294,710	B1	9/2001	Schmidt et al.	7,338,482	B2	3/2008	Lockwood et al.
6,297,423	B1	10/2001	Schoenfeldt et al.	7,361,184	B2	4/2008	Joshi
6,344,036	B1	2/2002	Ivansson	7,381,859	B2	6/2008	Hunt et al.
6,345,623	B1	2/2002	Heaton et al.	7,429,689	B2	9/2008	Chen et al.
6,362,390	B1	3/2002	Carlucci et al.	7,438,705	B2	10/2008	Karpowicz et al.
6,369,292	B1	4/2002	Strack et al.	7,476,205	B2	1/2009	Erdmann
6,372,952	B1	4/2002	Lash et al.	7,485,112	B2	2/2009	Karpowicz et al.
6,403,857	B1	6/2002	Gross et al.	7,503,910	B2	3/2009	Adahan
6,458,109	B1	10/2002	Henley et al.	7,511,187	B2	3/2009	Kelly
6,461,339	B1	10/2002	Sugahara	7,531,711	B2	5/2009	Sigurjonsson et al.
6,468,295	B2	10/2002	Augustine et al.	7,534,927	B2	5/2009	Lockwood
6,479,415	B1	11/2002	Erspamer et al.	7,563,940	B2	7/2009	Kurata
6,497,688	B2	12/2002	Lasko	7,569,742	B2	8/2009	Haggstrom et al.
6,497,689	B1	12/2002	Schmidt et al.	7,576,256	B2	8/2009	Björnberg et al.
6,506,175	B1	1/2003	Goldstein	7,605,298	B2	10/2009	Bechert et al.
6,506,960	B1	1/2003	Young et al.	7,611,500	B1	11/2009	Lina et al.
6,521,813	B1	2/2003	Chihani	7,615,036	B2	11/2009	Joshi et al.
6,528,696	B1	3/2003	Ireland	7,622,629	B2	11/2009	Aail
6,534,149	B1	3/2003	Daley et al.	7,625,362	B2	12/2009	Boehringer et al.
6,545,194	B1	4/2003	Schmidt et al.	7,645,269	B2	1/2010	Zamierowski
6,551,295	B1	4/2003	Schmidt et al.	7,651,484	B2	1/2010	Heaton et al.
6,552,244	B1	4/2003	Jacques et al.	7,670,323	B2	3/2010	Hunt et al.
6,570,057	B1	5/2003	Schmidt et al.	7,674,948	B2 *	3/2010	Propp A61F 13/0203 602/41
6,570,058	B1	5/2003	Fuchs et al.	7,676,257	B2	3/2010	Suryanarayanan et al.
6,573,424	B1	6/2003	Raidel et al.	7,678,102	B1	3/2010	Heaton
6,586,653	B2	7/2003	Graeme, III et al.	7,686,785	B2	3/2010	Boehringer et al.
6,610,898	B1	8/2003	Magnusson et al.	7,699,823	B2	4/2010	Haggstrom et al.
6,610,903	B1	8/2003	Latimer et al.	7,700,819	B2	4/2010	Ambrosio et al.
6,613,028	B1	9/2003	Daley et al.	7,708,724	B2	5/2010	Weston
6,613,953	B1	9/2003	Altura	7,718,249	B2	5/2010	Russell et al.
6,613,955	B1	9/2003	Lindsay et al.	7,722,582	B2	5/2010	Lina et al.
6,626,891	B2	9/2003	Ohmstede	7,723,561	B2	5/2010	Propp
6,630,611	B1	10/2003	Malowaniec	7,749,531	B2	7/2010	Booher
6,648,862	B2	11/2003	Watson	7,759,537	B2	7/2010	Bishop et al.
6,664,439	B1	12/2003	Arndt et al.	7,759,539	B2	7/2010	Shaw et al.
6,683,229	B1	1/2004	Ehrnsperger et al.	7,775,998	B2	8/2010	Riesinger
6,685,681	B2	2/2004	Lockwood et al.	7,779,625	B2	8/2010	Joshi et al.
6,706,940	B2	3/2004	Worthley	7,794,438	B2	9/2010	Henley et al.
6,719,742	B1	4/2004	McCormack et al.	7,811,269	B2	10/2010	Boynton et al.
6,727,403	B1	4/2004	Ehrnsperger et al.	7,812,212	B2	10/2010	Propp et al.
6,752,794	B2	6/2004	Lockwood et al.	7,838,717	B2	11/2010	Haggstrom et al.
6,755,807	B2	6/2004	Risk et al.	7,838,719	B2	11/2010	Hilton, Jr.
6,762,337	B2	7/2004	Boukanov et al.	7,838,723	B1	11/2010	Schmidt et al.
6,764,459	B1	7/2004	Donaldson	7,846,141	B2	12/2010	Weston
6,776,769	B2	8/2004	Smith	7,862,718	B2	1/2011	Doyen et al.
6,783,837	B1	8/2004	Creagan et al.	7,880,050	B2	2/2011	Robinson et al.
				7,884,258	B2	2/2011	Boehringer et al.
				7,910,791	B2	3/2011	Coffey
				7,922,703	B2	4/2011	Riesinger

(56)

References Cited

U.S. PATENT DOCUMENTS

7,935,066 B2	5/2011	Shives et al.	8,834,451 B2	9/2014	Blott et al.
7,951,124 B2	5/2011	Boehringer et al.	8,834,452 B2	9/2014	Hudspeth et al.
7,959,624 B2	6/2011	Riesinger	8,843,327 B2	9/2014	Vernon-Harcourt et al.
7,964,766 B2	6/2011	Blott et al.	8,905,985 B2	12/2014	Allen et al.
7,976,519 B2	7/2011	Bubb et al.	8,915,895 B2	12/2014	Jaeb et al.
7,981,098 B2	7/2011	Boehringer et al.	8,916,742 B2	12/2014	Smith
7,988,673 B2	8/2011	Wright et al.	8,951,235 B2	2/2015	Allen et al.
8,007,905 B2	8/2011	Perez et al.	8,956,336 B2	2/2015	Haggstrom et al.
8,021,347 B2	9/2011	Vitaris et al.	9,012,714 B2	4/2015	Fleischmann
8,034,037 B2	10/2011	Adams et al.	9,017,302 B2	4/2015	Vitaris et al.
8,062,272 B2	11/2011	Weston	9,033,942 B2	5/2015	Vess
8,062,331 B2	11/2011	Zamierowski	9,050,398 B2	6/2015	Armstrong et al.
8,080,702 B2	12/2011	Blott et al.	9,061,095 B2	6/2015	Adie et al.
8,083,712 B2	12/2011	Biggie et al.	9,067,003 B2	6/2015	Buan et al.
8,092,436 B2	1/2012	Christensen	9,127,665 B2	9/2015	Locke et al.
8,105,295 B2	1/2012	Blott et al.	9,168,330 B2	10/2015	Joshi et al.
8,118,794 B2	2/2012	Weston et al.	D746,435 S	12/2015	Armstrong et al.
8,129,580 B2	3/2012	Wilkes et al.	9,199,012 B2	12/2015	Vitaris et al.
8,133,211 B2	3/2012	Cavanaugh, II et al.	9,220,822 B2	12/2015	Hartwell et al.
8,147,468 B2	4/2012	Barta et al.	RE45,864 E	1/2016	Peron
8,148,595 B2	4/2012	Robinson et al.	9,227,000 B2	1/2016	Fink et al.
8,152,785 B2	4/2012	Vitaris	9,254,353 B2	2/2016	Locke et al.
8,162,907 B2	4/2012	Heagle	9,283,118 B2	3/2016	Locke et al.
8,168,848 B2	5/2012	Lockwood et al.	9,302,033 B2	4/2016	Riesinger
8,187,237 B2	5/2012	Seegert	9,327,065 B2	5/2016	Alberti et al.
8,188,331 B2	5/2012	Barta et al.	9,375,353 B2	6/2016	Vitaris et al.
8,192,409 B2	6/2012	Hardman et al.	9,375,521 B2	6/2016	Hudspeth et al.
8,202,261 B2	6/2012	Kazala, Jr. et al.	9,381,283 B2	7/2016	Adams et al.
8,207,392 B2	6/2012	Haggstrom et al.	9,427,505 B2	8/2016	Askem et al.
8,212,101 B2	7/2012	Propp	9,446,178 B2	9/2016	Blott et al.
8,241,261 B2	8/2012	Randolph et al.	9,452,248 B2	9/2016	Blott et al.
8,246,606 B2	8/2012	Stevenson et al.	9,474,654 B2	10/2016	Heagle et al.
8,252,971 B2	8/2012	Aali et al.	9,474,661 B2	10/2016	Fouillet et al.
8,267,908 B2	9/2012	Coulthard	RE46,289 E	1/2017	Peron
8,282,611 B2	10/2012	Weston	9,539,373 B2	1/2017	Jones et al.
8,298,200 B2	10/2012	Vess et al.	D785,189 S *	4/2017	Dettmar D24/189
8,303,552 B2	11/2012	Weston	9,629,986 B2	4/2017	Patel et al.
8,314,283 B2	11/2012	Kingsford et al.	9,681,993 B2	6/2017	Wu et al.
8,328,858 B2	12/2012	Barsky et al.	9,682,179 B2	6/2017	May
8,372,050 B2	2/2013	Jaeb et al.	9,877,872 B2	1/2018	Mumby et al.
8,376,972 B2	2/2013	Fleischmann	10,046,096 B2	8/2018	Askem et al.
8,382,731 B2	2/2013	Johannison	10,080,690 B2	9/2018	Stevenson et al.
8,403,899 B2	3/2013	Sherman	RE47,100 E *	10/2018	Smith D24/189
8,404,921 B2	3/2013	Lee et al.	1,032,818 A1	6/2019	Deutsch et al.
D679,819 S	4/2013	Peron	D870,719 S *	12/2019	Peters D14/253
D679,820 S	4/2013	Peron	2001/0000795 A1	5/2001	Bolian, II et al.
8,409,170 B2	4/2013	Locke et al.	2001/0016985 A1	8/2001	Insley et al.
8,425,478 B2	4/2013	Olson	2001/0018308 A1	8/2001	Quick et al.
8,444,612 B2	5/2013	Patel et al.	2001/0027302 A1	10/2001	Glaug et al.
8,460,255 B2	6/2013	Joshi et al.	2001/0027305 A1	10/2001	Raidel et al.
8,506,554 B2	8/2013	Adahan	2001/0044610 A1	11/2001	Kim et al.
8,535,296 B2	9/2013	Blott et al.	2001/0051165 A1	12/2001	Lenz et al.
8,540,688 B2	9/2013	Eckstein et al.	2001/0051178 A1	12/2001	Blatchford et al.
8,545,466 B2	10/2013	Andresen et al.	2001/0053904 A1	12/2001	Abuto
8,568,386 B2	10/2013	Malhi	2002/0007167 A1	1/2002	Dan et al.
8,628,505 B2	1/2014	Weston	2002/0007169 A1	1/2002	Graef et al.
8,641,691 B2	2/2014	Fink	2002/0019602 A1	2/2002	Geng
8,663,198 B2	3/2014	Buan et al.	2002/0019614 A1	2/2002	Woon et al.
8,680,360 B2	3/2014	Greener et al.	2002/0026166 A1	2/2002	Graef et al.
8,715,256 B2	5/2014	Greener	2002/0034914 A1	3/2002	De Leon et al.
8,734,410 B2	5/2014	Hall et al.	2002/0035352 A1	3/2002	Ronnberg et al.
8,764,732 B2	7/2014	Hartwell	2002/0035354 A1	3/2002	Mirle et al.
8,771,244 B2	7/2014	Eckstein et al.	2002/0062113 A1	5/2002	Thomas et al.
8,784,392 B2	7/2014	Vess et al.	2002/0064639 A1	5/2002	Rearick et al.
8,791,316 B2	7/2014	Greener	2002/0087136 A1	7/2002	Widlund
8,795,243 B2	8/2014	Weston	2002/0090511 A1	7/2002	Smith et al.
8,795,244 B2	8/2014	Randolph et al.	2002/0110672 A1	8/2002	Muratore-Pallatino et al.
8,795,247 B2	8/2014	Bennett et al.	2002/0123728 A1	9/2002	Graef et al.
8,795,800 B2	8/2014	Evans	2002/0133132 A1	9/2002	Copat et al.
8,801,685 B2	8/2014	Armstrong et al.	2002/0150678 A1	10/2002	Cramer et al.
8,808,274 B2	8/2014	Hartwell	2002/0165509 A1	11/2002	Baer et al.
8,814,842 B2	8/2014	Coulthard et al.	2002/0169405 A1	11/2002	Roberts
D712,546 S *	9/2014	Igwebuike D24/189	2002/0176964 A1	11/2002	Koslow
D714,433 S	9/2014	Armstrong et al.	2002/0177831 A1	11/2002	Daley et al.
8,829,263 B2	9/2014	Haggstrom et al.	2002/0180092 A1	12/2002	Abba et al.
			2002/0183704 A1	12/2002	Fields et al.
			2003/0009122 A1	1/2003	Veras
			2003/0045707 A1	3/2003	West et al.
			2003/0045825 A1	3/2003	Etheredge, III

(56)

References Cited

U.S. PATENT DOCUMENTS

2003/0050617	A1	3/2003	Chen et al.
2003/0069563	A1	4/2003	Johnson
2003/0070780	A1	4/2003	Chen et al.
2003/0073967	A1	4/2003	Wahlstrom et al.
2003/0088229	A1	5/2003	Baker et al.
2003/0088231	A1	5/2003	Yoshimasa et al.
2003/0093044	A1	5/2003	Wahlstrom et al.
2003/0097101	A1	5/2003	Schmidt et al.
2003/0097105	A1	5/2003	Chen et al.
2003/0097113	A1	5/2003	Molee
2003/0105442	A1	6/2003	Johnston et al.
2003/0114816	A1	6/2003	Underhill et al.
2003/0114818	A1	6/2003	Benecke et al.
2003/0114821	A1	6/2003	Underhill et al.
2003/0120249	A1	6/2003	Wulz et al.
2003/0121588	A1	7/2003	Pargass et al.
2003/0124311	A1	7/2003	Cree et al.
2003/0125646	A1	7/2003	Whitlock
2003/0134559	A1	7/2003	Delzer et al.
2003/0135174	A1	7/2003	Benecke et al.
2003/0135177	A1	7/2003	Baker
2003/0150551	A1	8/2003	Baker
2003/0157857	A1	8/2003	Cook et al.
2003/0171729	A1	9/2003	Kaun et al.
2003/0180341	A1	9/2003	Gooch et al.
2003/0199800	A1	10/2003	Levin
2003/0208175	A1	11/2003	Gross et al.
2003/0212359	A1	11/2003	Butler
2003/0225383	A1	12/2003	Glaug et al.
2004/0019338	A1	1/2004	Litvay et al.
2004/0019339	A1	1/2004	Ranganathan et al.
2004/0019340	A1	1/2004	McBride
2004/0019342	A1	1/2004	Nagasuna et al.
2004/0024375	A1	2/2004	Litvay
2004/0030304	A1	2/2004	Hunt et al.
2004/0033750	A1	2/2004	Everett et al.
2004/0049146	A1	3/2004	Kolte et al.
2004/0054343	A1	3/2004	Barnett et al.
2004/0054344	A1	3/2004	Roettger et al.
2004/0057855	A1	3/2004	Gerlach et al.
2004/0065420	A1	4/2004	Graef et al.
2004/0078011	A1	4/2004	Stevens
2004/0078016	A1	4/2004	Baker
2004/0087927	A1	5/2004	Suzuki
2004/0106888	A1	6/2004	Lutri et al.
2004/0111074	A1	6/2004	Eliasson
2004/0127862	A1	7/2004	Bubb et al.
2004/0138602	A1	7/2004	Rossen
2004/0162512	A1	8/2004	Liedtke et al.
2004/0177935	A1	9/2004	Hamed et al.
2004/0181199	A1	9/2004	Moberg-Alehammar et al.
2004/0204696	A1	10/2004	Chen
2004/0230173	A1	11/2004	Barge et al.
2004/0230184	A1	11/2004	Babusik et al.
2004/0243042	A1	12/2004	Lipman
2004/0243080	A1	12/2004	Baer
2004/0243081	A1	12/2004	Suzuki et al.
2004/0253894	A1	12/2004	Fell et al.
2004/0254552	A1	12/2004	Mangold
2005/0008825	A1	1/2005	Casey et al.
2005/0013992	A1	1/2005	Azad et al.
2005/0015036	A1	1/2005	Lutri et al.
2005/0049566	A1	3/2005	Vukos et al.
2005/0079361	A1	4/2005	Hamed et al.
2005/0084641	A1	4/2005	Downs et al.
2005/0096616	A1	5/2005	Arora et al.
2005/0101940	A1	5/2005	Radl et al.
2005/0112979	A1	5/2005	Sawyer et al.
2005/0119631	A1	6/2005	Giloh et al.
2005/0136773	A1	6/2005	Yahiaoui et al.
2005/0165371	A1	7/2005	Giacometti
2005/0215965	A1	9/2005	Schmidt et al.
2005/0215967	A1	9/2005	Toro et al.
2005/0222547	A1	10/2005	Beruda et al.
2005/0228353	A1	10/2005	Thomas
2005/0261649	A1	11/2005	Cohen
2005/0267429	A1	12/2005	Cohen
2006/0003604	A1	1/2006	Angerpointner
2006/0009744	A1	1/2006	Edrman et al.
2006/0020234	A1	1/2006	Chou et al.
2006/0020250	A1	1/2006	Chester et al.
2006/0058750	A1	3/2006	Di Girolamo et al.
2006/0069366	A1	3/2006	Cole
2006/0069367	A1	3/2006	Waksmundzki et al.
2006/0069375	A1	3/2006	Waksmundzki et al.
2006/0100586	A1	5/2006	Karpowicz
2006/0122548	A1	6/2006	Abrams
2006/0122572	A1	6/2006	Suarez
2006/0153904	A1	7/2006	Smith et al.
2006/0161122	A1	7/2006	Erdman et al.
2006/0178650	A1	8/2006	Hakansson et al.
2006/0184147	A1	8/2006	Hamed
2006/0206047	A1	9/2006	Lampe et al.
2006/0206073	A1	9/2006	Crane et al.
2006/0206074	A1	9/2006	Bernal et al.
2006/0241542	A1	10/2006	Gudnason et al.
2006/0282028	A1	12/2006	Howard et al.
2007/0003604	A1	1/2007	Jones
2007/0040454	A1	2/2007	Freudenberger et al.
2007/0055209	A1	3/2007	Patel et al.
2007/0073254	A1	3/2007	Ponomarenko et al.
2007/0078467	A1	4/2007	Mullen
2007/0100308	A1	5/2007	Miyairi
2007/0142804	A1	6/2007	Bernard
2007/0156104	A1	7/2007	Lockwood et al.
2007/0167096	A1	7/2007	Scott
2007/0167884	A1	7/2007	Mangrum et al.
2007/0220692	A1	9/2007	Kustin
2007/0224903	A1	9/2007	Chakravarty et al.
2007/0225663	A1	9/2007	Watt et al.
2007/0254550	A1	11/2007	Hamed et al.
2007/0270070	A1	11/2007	Hamed
2007/0282236	A1	12/2007	LaGreca
2007/0282310	A1	12/2007	Bengtson et al.
2008/0004581	A1	1/2008	Babusik et al.
2008/0015532	A1	1/2008	Waksmundzki
2008/0031748	A1	2/2008	Ihle et al.
2008/0033325	A1	2/2008	Van der Hulst et al.
2008/0058691	A1	3/2008	Sorensen
2008/0082075	A1	4/2008	Morrell-Schwartz
2008/0090050	A1	4/2008	Seyler et al.
2008/0114317	A1	5/2008	Seyler
2008/0119586	A1	5/2008	Byerly et al.
2008/0132821	A1	6/2008	Propp et al.
2008/0147024	A1	6/2008	Potts et al.
2008/0167592	A1	7/2008	Greer
2008/0172017	A1	7/2008	Carlucci et al.
2008/0243100	A1	10/2008	Wu et al.
2008/0255533	A1	10/2008	Wu et al.
2008/0275409	A1	11/2008	Kane et al.
2008/0306456	A1	12/2008	Riesinger
2008/0312621	A1	12/2008	Hundorf et al.
2008/0312622	A1	12/2008	Hundorf et al.
2009/0062760	A1	3/2009	Wright et al.
2009/0076472	A1	3/2009	Goldwasser et al.
2009/0105670	A1	4/2009	Bentley et al.
2009/0112175	A1	4/2009	Bissah et al.
2009/0125004	A1	5/2009	Shen et al.
2009/0131892	A1	5/2009	Karpowicz et al.
2009/0157016	A1	6/2009	Adahan
2009/0157024	A1	6/2009	Song
2009/0204087	A1	8/2009	Herfert et al.
2009/0216168	A1	8/2009	Eckstein et al.
2009/0227935	A1	9/2009	Zanella et al.
2009/0227969	A1	9/2009	Jaeb et al.
2009/0234306	A1	9/2009	Vitaris
2009/0240185	A1	9/2009	Jaeb et al.
2009/0293887	A1	12/2009	Wilkes et al.
2009/0299249	A1	12/2009	Wilkes et al.
2009/0299251	A1	12/2009	Buan
2009/0299255	A1	12/2009	Kazala, Jr. et al.
2009/0299257	A1	12/2009	Long et al.
2009/0299306	A1	12/2009	Buan
2009/0299308	A1	12/2009	Kazala et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2009/0299340	A1	12/2009	Kazala et al.	2012/0095426	A1	4/2012	Visscher et al.
2009/0326430	A1	12/2009	Frederiksen et al.	2012/0101465	A1	4/2012	McGuire, Jr.
2010/0010461	A1	1/2010	Herfert et al.	2012/0123311	A1	5/2012	Weidemann-Hendrickson et al.
2010/0030171	A1	2/2010	Canada et al.	2012/0136329	A1	5/2012	Carney
2010/0030178	A1	2/2010	MacMeccan et al.	2012/0143158	A1	6/2012	Yang et al.
2010/0036334	A1	2/2010	Heagle et al.	2012/0150078	A1	6/2012	Chen et al.
2010/0036342	A1	2/2010	Carlucci et al.	2012/0165765	A1	6/2012	Barta et al.
2010/0048072	A1	2/2010	Kauscheke et al.	2012/0172778	A1	7/2012	Rastegar et al.
2010/0055158	A1	3/2010	Vitaris et al.	2012/0197229	A1	8/2012	Buan
2010/0069850	A1	3/2010	Fabo	2012/0203145	A1	8/2012	Nilsson
2010/0069858	A1	3/2010	Olson	2012/0203189	A1	8/2012	Barta et al.
2010/0069886	A1	3/2010	Wilkes	2012/0220968	A1	8/2012	Confalone et al.
2010/0084074	A1	4/2010	McCleron et al.	2012/0232502	A1	9/2012	Lowing
2010/0087767	A1	4/2010	McNeil	2012/0238932	A1	9/2012	Atteia et al.
2010/0106113	A1	4/2010	Heinecke	2012/0302440	A1	11/2012	Theliander et al.
2010/0106120	A1	4/2010	Holm	2012/0302976	A1	11/2012	Locke et al.
2010/0106121	A1	4/2010	Holm	2012/0308780	A1	12/2012	Rottger et al.
2010/0121298	A1	5/2010	Seyler et al.	2012/0310186	A1	12/2012	Moghe et al.
2010/0125234	A1	5/2010	Smith	2012/0310189	A1	12/2012	Wang et al.
2010/0125258	A1	5/2010	Coulthard et al.	2012/0310197	A1	12/2012	Thomas
2010/0137775	A1	6/2010	Hu et al.	2012/0330253	A1	12/2012	Robinson et al.
2010/0137890	A1	6/2010	Martinez et al.	2013/0012902	A1	1/2013	Rovaniemi
2010/0160901	A1	6/2010	Hu et al.	2013/0030395	A1	1/2013	Croizat et al.
2010/0168695	A1	7/2010	Robles et al.	2013/0066285	A1	3/2013	Locke et al.
2010/0174250	A1	7/2010	Hu et al.	2013/0066289	A1	3/2013	Song et al.
2010/0191207	A1	7/2010	Oba et al.	2013/0090616	A1	4/2013	Neubauer
2010/0217177	A1	8/2010	Cali et al.	2013/0138054	A1	5/2013	Fleischmann
2010/0256545	A1	10/2010	Aali et al.	2013/0144227	A1	6/2013	Locke et al.
2010/0256584	A1	10/2010	Litvay	2013/0150814	A1	6/2013	Buan
2010/0256586	A1	10/2010	Bergstrom et al.	2013/0165878	A1	6/2013	Heagle
2010/0259406	A1	10/2010	Caso et al.	2013/0172835	A1	7/2013	Braga et al.
2010/0262091	A1	10/2010	Larsson	2013/0245583	A1	9/2013	Locke et al.
2010/0305526	A1	12/2010	Robinson et al.	2013/0253453	A1	9/2013	Olson
2010/0310845	A1	12/2010	Bond et al.	2013/0274688	A1	10/2013	Weston
2010/0318043	A1	12/2010	Malhi et al.	2013/0296762	A1	11/2013	Toth
2010/0318047	A1	12/2010	Ducker et al.	2013/0302545	A1	11/2013	Schnelker et al.
2010/0318052	A1	12/2010	Ha et al.	2013/0310781	A1	11/2013	Phillips et al.
2010/0324516	A1	12/2010	Braga et al.	2014/0010673	A1	1/2014	Locke et al.
2011/0004172	A1	1/2011	Eckstein et al.	2014/0114268	A1	4/2014	Auguste et al.
2011/0034892	A1	2/2011	Buan	2014/0121615	A1	5/2014	Locke et al.
2011/0052664	A1	3/2011	Tennican et al.	2014/0127148	A1	5/2014	Derain
2011/0054422	A1	3/2011	Locke et al.	2014/0194835	A1	7/2014	Ehlert
2011/0059329	A1	3/2011	Dobrawa et al.	2014/0200533	A1	7/2014	Whyte et al.
2011/0060303	A1	3/2011	Bissah et al.	2014/0228791	A1	8/2014	Hartwell
2011/0070391	A1	3/2011	Cotton	2014/0236109	A1	8/2014	Greener
2011/0098621	A1	4/2011	Fabo et al.	2014/0316359	A1	10/2014	Collinson et al.
2011/0112492	A1	5/2011	Bharti et al.	2014/0343520	A1	11/2014	Bennett et al.
2011/0118683	A1	5/2011	Weston	2014/0350496	A1	11/2014	Riesinger
2011/0125119	A1	5/2011	Weismantel et al.	2015/0032035	A1	1/2015	Banwell et al.
2011/0130712	A1	6/2011	Topaz	2015/0057625	A1	2/2015	Coulthard et al.
2011/0137222	A1	6/2011	Masini	2015/0065965	A1	3/2015	Haggstrom et al.
2011/0152813	A1	6/2011	Ellingson	2015/0073358	A1	3/2015	Jaeb et al.
2011/0178375	A1	7/2011	Forster	2015/0141941	A1	5/2015	Allen et al.
2011/0183109	A1	7/2011	Seyler et al.	2015/0159066	A1	6/2015	Hartwell et al.
2011/0184364	A1	7/2011	Biggs et al.	2015/0182677	A1	7/2015	Collinson et al.
2011/0184370	A1	7/2011	Seyler et al.	2015/0209492	A1	7/2015	Blott et al.
2011/0208145	A1	8/2011	Zhang et al.	2015/0216733	A1	8/2015	Allen et al.
2011/0213286	A1	9/2011	Riesinger	2015/0320604	A1	11/2015	Adie et al.
2011/0218509	A1	9/2011	Dontas	2015/0335798	A1	11/2015	De Samber et al.
2011/0223413	A1	9/2011	Herfert et al.	2015/0335799	A1	11/2015	Vitaris et al.
2011/0224631	A1	9/2011	Simmons	2016/0000610	A1	1/2016	Riesinger
2011/0238026	A1	9/2011	Zhang et al.	2016/0000611	A1	1/2016	Niederauer et al.
2011/0245788	A1	10/2011	Marquez Canada	2016/0051737	A1	2/2016	Joshi et al.
2011/0247636	A1	10/2011	Pollack	2016/0081859	A1	3/2016	Hartwell
2011/0257572	A1	10/2011	Locke et al.	2016/0144084	A1	5/2016	Collinson et al.
2011/0257611	A1	10/2011	Locke et al.	2016/0317357	A1	11/2016	Vitaris et al.
2011/0268932	A1	11/2011	Catalan et al.	2016/0331594	A1	11/2016	Mumby et al.
2011/0313373	A1	12/2011	Riesinger	2016/0361205	A1	12/2016	Mumby et al.
2012/0004632	A1	1/2012	Zhang et al.	2017/0007748	A1	1/2017	Locke et al.
2012/0045639	A1	2/2012	Whitmore et al.	2017/0065458	A1	3/2017	Mumby et al.
2012/0051945	A1	3/2012	Orndorff et al.	2017/0095598	A1	4/2017	Joshi et al.
2012/0053547	A1	3/2012	Schroeder et al.	2017/0128642	A1	5/2017	Buan
2012/0065664	A1	3/2012	Avitable et al.	2017/0181896	A1	6/2017	Hartwell
2012/0071848	A1	3/2012	Zhang et al.	2017/0181897	A1	6/2017	Hartwell
2012/0095380	A1	4/2012	Gergley et al.	2019/0110932	A1	4/2019	Mumby et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

DE	4030465	A1	4/1992	WO	WO-0042957	A1	7/2000
DE	9017289	U1	4/1992	WO	WO-0059438	A1	10/2000
DE	19844355	A1	4/2000	WO	WO-0154743	A1	8/2001
EP	0053936	A2	6/1982	WO	WO-0172251	A1	10/2001
EP	0340018	A2	11/1989	WO	WO-0190465	A2	11/2001
EP	0541251	A1	5/1993	WO	WO-0217840	A1	3/2002
EP	0748894	A2	12/1996	WO	WO-0224132	A2	3/2002
EP	0875224	A1	11/1998	WO	WO-0226180	A1	4/2002
EP	0941726	A1	9/1999	WO	WO-0238096	A2	5/2002
EP	1013290	A1	6/2000	WO	WO-02076379	A2	10/2002
EP	1048278	A2	11/2000	WO	WO-03073971	A2	9/2003
EP	1066809	A2	1/2001	WO	WO-2004018020	A1	3/2004
EP	1312328	A2	5/2003	WO	WO-2004043321	A1	5/2004
EP	1353001	A1	10/2003	WO	WO-2004073566	A1	9/2004
EP	1452156	A1	9/2004	WO	WO-2004077387	A1	9/2004
EP	0630629	B1	11/2004	WO	WO-2004098474	A1	11/2004
EP	1955887	A2	8/2008	WO	WO-2005016179	A2	2/2005
EP	2161011	A1	3/2010	WO	WO-2005061025	A1	7/2005
EP	2259767	A2	12/2010	WO	WO-2005105174	A1	11/2005
EP	2263627	A2	12/2010	WO	WO-2006105305	A1	10/2006
EP	2319550	A1	5/2011	WO	WO-2006114637	A2	11/2006
EP	2366721	A1	9/2011	WO	WO-2007006306	A2	1/2007
EP	2529767	A2	12/2012	WO	WO-2007016590	A2	2/2007
EP	2628500	B1	5/2014	WO	WO-2007019038	A2	2/2007
EP	2879636	B1	3/2017	WO	WO-2007035038	A1	3/2007
FR	1163907	A	10/1958	WO	WO-2007040606	A2	4/2007
GB	1255395	A	12/1971	WO	WO 2007/066699		6/2007
GB	2099306	A	12/1982	WO	WO-2007077214	A1	7/2007
GB	2355228	A	4/2001	WO	WO-2007077216	A1	7/2007
GB	2435422	A	8/2007	WO	WO-2007085396	A1	8/2007
GB	2435423	A	8/2007	WO	WO-2007095180	A2	8/2007
GB	2489947	A	10/2012	WO	WO-2007106590	A2	9/2007
JP	S5230463	U	3/1977	WO	WO-2007106591	A2	9/2007
JP	H02131432	U	11/1990	WO	WO-2008008032	A1	1/2008
JP	2006025918	A	2/2006	WO	WO-2008012278	A1	1/2008
JP	2008-183244		8/2008	WO	WO-2008039223	A1	4/2008
JP	2012016476	A	1/2012	WO	WO-2008043067	A2	4/2008
RU	62504	U1	4/2007	WO	WO-2008049277	A1	5/2008
RU	2432177	C1	10/2011	WO	WO-2008100446	A2	8/2008
WO	WO-8300742	A1	3/1983	WO	WO-2008131895	A1	11/2008
WO	WO-9111161	A1	8/1991	WO	WO-2008135997	A2	11/2008
WO	WO-9111162	A1	8/1991	WO	WO-2008141470	A1	11/2008
WO	WO-9301778	A1	2/1993	WO	WO 2009/066104		5/2009
WO	WO-9301779	A1	2/1993	WO	WO-2009068665	A1	6/2009
WO	WO-9301780	A1	2/1993	WO	WO-2009086580	A1	7/2009
WO	WO-9301781	A1	2/1993	WO	WO-2009088925	A1	7/2009
WO	WO-9309745	A1	5/1993	WO	WO-2009137194	A2	11/2009
WO	WO-9311726	A1	6/1993	WO	WO-2009140376	A1	11/2009
WO	WO-9423677	A2	10/1994	WO	WO-2009146441	A1	12/2009
WO	WO-9504511	A1	2/1995	WO	WO-2009152021	A2	12/2009
WO	WO-9513042	A1	5/1995	WO	WO-2009158128	A2	12/2009
WO	WO-9513776	A1	5/1995	WO	WO-2009158129	A1	12/2009
WO	WO-9513779	A1	5/1995	WO	WO-2010032951	A2	3/2010
WO	WO-9514451	A1	6/1995	WO	WO-2010033271	A1	3/2010
WO	WO-9516424	A1	6/1995	WO	WO-2010078166	A2	7/2010
WO	WO-9605873	A1	2/1996	WO	WO-2010082872	A1	7/2010
WO	WO-9607783	A1	3/1996	WO	WO-2010089448	A1	8/2010
WO	WO-9621410	A1	7/1996	WO	WO-2010122665	A1	10/2010
WO	WO-9711658	A1	4/1997	WO	WO-2010139926	A1	12/2010
WO	WO-9714384	A1	4/1997	WO	WO-2011023650	A1	3/2011
WO	WO-9820916	A1	5/1998	WO	WO-2011034789	A1	3/2011
WO	WO-9822279	A1	5/1998	WO	WO-2011049562	A1	4/2011
WO	WO-9904830	A1	2/1999	WO	WO-2011058311	A1	5/2011
WO	WO-9939671	A1	8/1999	WO	WO-2011080427	A1	7/2011
WO	WO-9945876	A1	9/1999	WO	WO-2011100851	A1	8/2011
WO	WO-9945878	A1	9/1999	WO	WO-2011113728	A1	9/2011
WO	WO-9956687	A1	11/1999	WO	WO-2011128651	A1	10/2011
WO	WO-0000016	A1	1/2000	WO	WO-2011135284	A1	11/2011
WO	WO-0000127	A1	1/2000	WO	WO-2011135285	A1	11/2011
WO	WO-0000129	A1	1/2000	WO	WO-2011135286	A1	11/2011
WO	WO-0000130	A1	1/2000	WO	WO-2011135287	A1	11/2011
WO	WO-0000131	A1	1/2000	WO	WO-2011144888	A1	11/2011
WO	WO-0040190	A1	7/2000	WO	WO-2011152368	A1	12/2011
				WO	WO-2012009370	A2	1/2012
				WO	WO-2012035787	A1	3/2012
				WO	WO-2012069793	A1	5/2012
				WO	WO-2012074512	A1	6/2012

(56)

References Cited

FOREIGN PATENT DOCUMENTS

WO	WO-2012143665	A1	10/2012
WO	WO-2012146656	A1	11/2012
WO	WO-2012150235	A1	11/2012
WO	WO-2012168298	A1	12/2012
WO	WO-2013014317	A1	1/2013
WO	WO-2013016239	A1	1/2013
WO	WO-2013019438	A1	2/2013
WO	WO-2013029652	A1	3/2013
WO	WO-2013043972	A1	3/2013
WO	WO-2013060732	A1	5/2013
WO	WO-2013064852	A1	5/2013
WO	WO-2013090810	A1	6/2013
WO	WO-2013110008	A1	7/2013
WO	WO-2013123005	A1	8/2013
WO	WO-2013136181	A3	11/2013
WO	WO-2014043238	A3	9/2014
WO	WO-2014158526	A1	10/2014
ZA	9605526	B	2/1997

OTHER PUBLICATIONS

Annex to the Communication, re the Opposition of European Patent No. EP 2 879 636, dated Jan. 21, 2019, in 22 pages.

Letter regarding the Opposition Procedure, in Reply to the Patentee's Auxiliary Requests, re European Patent No. EP 2 879 636, dated Sep. 11, 2018, in 225 pages.

Reply of the Patent Proprietor to the Notice(s) of Opposition, re the Opposition of European Patent No. EP 2 879 636, dated Jul. 20, 2018, in 143 pages.

Allevyn Wound Dressings Pamphlet, Smith & Nephew, Inc., 2008.

Smith & Nephew, Allevyn Dressing Range, 2008, in 2 pages.

Smith & Nephew, Allevyn Gentle Border Multisite, Jun. 2011, in 2 pages.

Smith & Nephew, "PICO Single Use Negative Pressure Wound Therapy System", spiral booklet, Mar. 2011, in 7 pages.

* cited by examiner

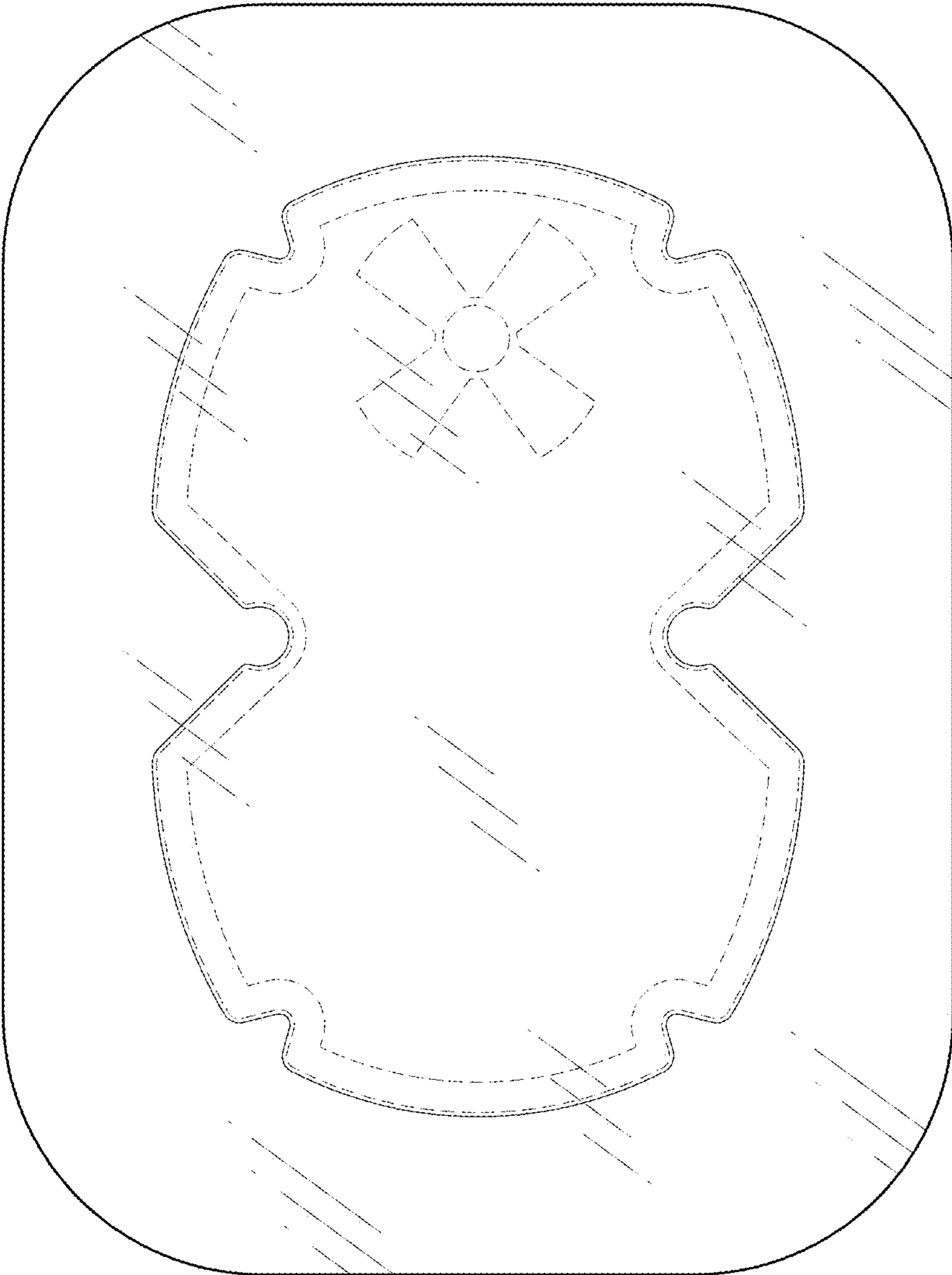


FIG. 1

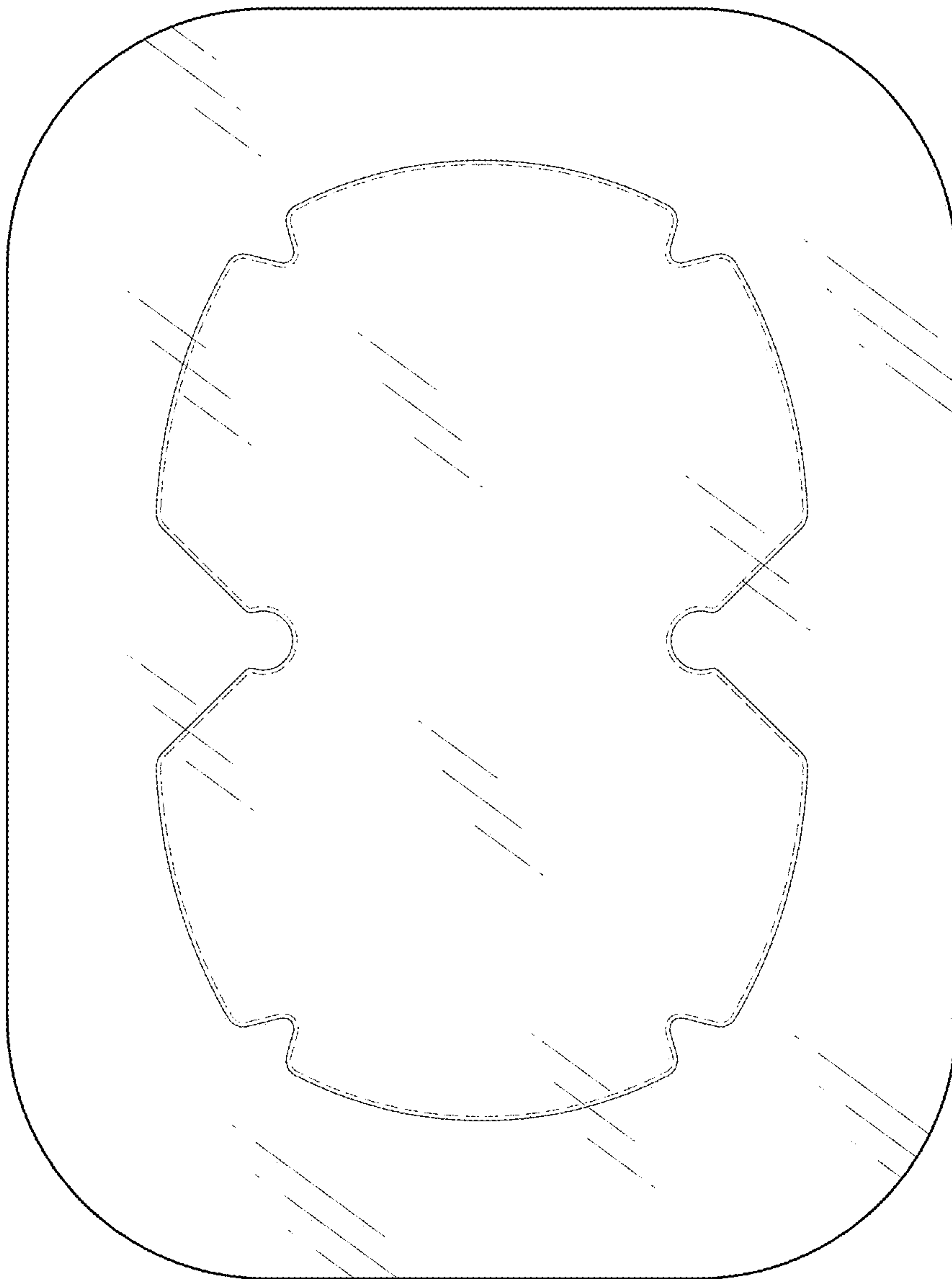


FIG. 2

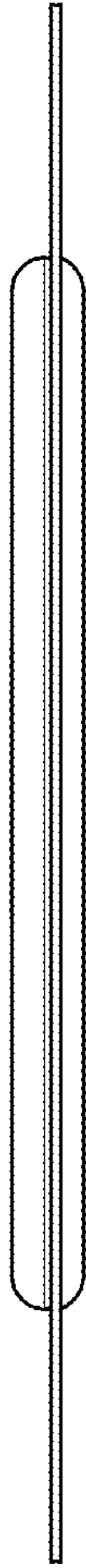


FIG. 3

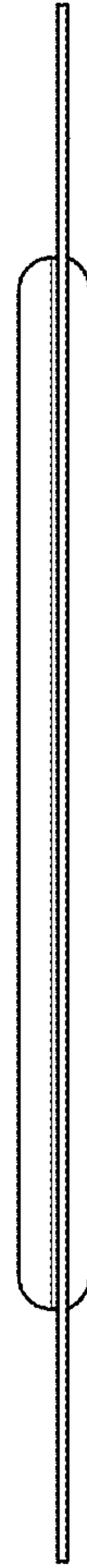


FIG. 4

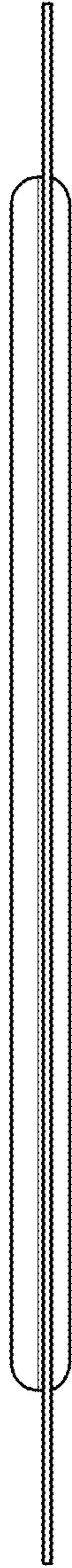


FIG. 5

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D914,887 S
APPLICATION NO. : 29/663872
DATED : March 30, 2021
INVENTOR(S) : Julie Allen et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

In Column 2, Item (57), Description, Line 2, delete "14/418,098," and insert --14/418,908,--.

In Column 2, Item (57), Description, Line 3, delete "Treatment"," and insert --Treatment", which is a national stage application of International Patent Application No. PCT/IB2013/002060, filed on July 31, 2013,--.

Signed and Sealed this
Tenth Day of August, 2021



Drew Hirshfeld
*Performing the Functions and Duties of the
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office*