

US00D948043S

(12) **United States Design Patent** (10) **Patent No.:** **US D948,043 S**
Shelton, IV et al. (45) **Date of Patent:** **** Apr. 5, 2022**

(54) **SURGICAL FASTENER**

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

(21) Appl. No.: **29/747,026**

(22) Filed: **Aug. 19, 2020**

Related U.S. Application Data

(62) Division of application No. 29/660,275, filed on Aug. 20, 2018, now Pat. No. Des. 894,389, which is a division of application No. 29/569,218, filed on Jun. 24, 2016, now Pat. No. Des. 826,405.

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/145**

(58) **Field of Classification Search**
USPC D24/145
CPC A61F 17/064; A61F 17/0643; A61F 17/0644; A61F 17/068; A61F 17/122; A61B 2017/0417

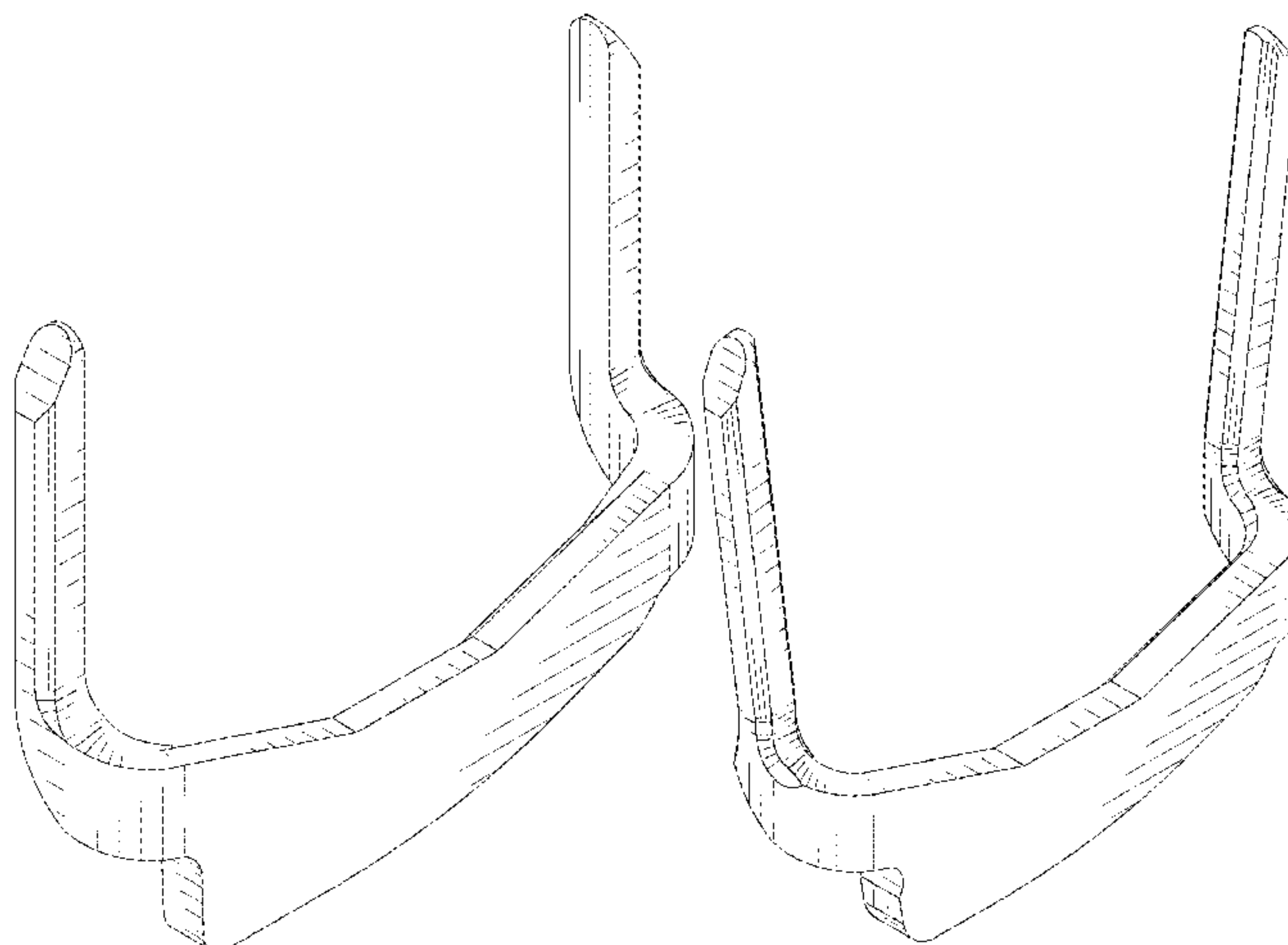
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

66,052 A 6/1867 Smith
662,587 A 11/1900 Blake
670,748 A 3/1901 Weddeler
951,393 A 3/1910 Hahn
1,306,107 A 6/1919 Elliott
1,314,601 A 9/1919 McCaskey
1,677,337 A 7/1928 Grove
1,794,907 A 3/1931 Kelly
2,037,727 A 4/1936 La Chapelle

2,132,295 A 10/1938 Hawkins
2,161,632 A 6/1939 Nattenheimer
2,211,117 A 8/1940 Hess
2,214,870 A 9/1940 West
2,318,379 A 5/1943 Davis et al.
2,441,096 A 5/1948 Happe
2,475,322 A 7/1949 Horton et al.
2,526,902 A 10/1950 Rublee
2,578,686 A 12/1951 Fish
2,674,149 A 4/1954 Benson
2,711,461 A 6/1955 Happe
2,804,848 A 9/1957 O'Farrell et al.
2,808,482 A 10/1957 Zanichkowsky et al.
2,853,074 A 9/1958 Olson
2,886,358 A 5/1959 Munchbach
2,959,974 A 11/1960 Emrick
3,032,769 A 5/1962 Palmer
3,060,972 A 10/1962 Sheldon
3,075,062 A 1/1963 Laccarino
3,078,465 A 2/1963 Bobrov
3,079,606 A 3/1963 Bobrov et al.
3,166,072 A 1/1965 Sullivan, Jr.
3,196,869 A 7/1965 Scholl
3,204,731 A 9/1965 Bent et al.
3,266,494 A 8/1966 Brownrigg et al.
3,269,630 A 8/1966 Fleischer
3,275,211 A 9/1966 Hirsch et al.
3,317,103 A 5/1967 Cullen et al.
3,499,591 A 3/1970 Green
3,551,987 A 1/1971 Wilkinson
3,583,393 A 6/1971 Takahashi
3,662,939 A 5/1972 Bryan
3,717,294 A 2/1973 Green
3,799,151 A 3/1974 Fukaumi et al.
3,940,844 A 3/1976 Colby et al.
RE28,932 E 8/1976 Noiles et al.
4,014,244 A 3/1977 Larson
4,060,089 A 11/1977 Noiles
4,106,446 A 8/1978 Yamada et al.
4,108,211 A 8/1978 Tanaka
4,111,206 A 9/1978 Vishnevsky et al.
4,129,059 A 12/1978 Van Eck
4,169,990 A 10/1979 Lerdman
4,180,285 A 12/1979 Reneau
4,198,734 A 4/1980 Brumlik
4,198,982 A 4/1980 Fortner et al.
4,207,898 A 6/1980 Becht
4,213,562 A 7/1980 Garrett et al.
4,226,242 A 10/1980 Jarvik
4,241,861 A 12/1980 Fleischer
4,244,372 A 1/1981 Kapitanov et al.
4,250,436 A 2/1981 Weissman
4,261,244 A 4/1981 Becht et al.



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Page 2

4,272,002 A	6/1981	Moshofsky	4,608,981 A	9/1986	Rothfuss et al.
4,272,662 A	6/1981	Simpson	4,610,250 A	9/1986	Green
4,274,304 A	6/1981	Curtiss	4,610,383 A	9/1986	Rothfuss et al.
4,275,813 A	6/1981	Noiles	4,612,933 A	9/1986	Brinkerhoff et al.
4,289,133 A	9/1981	Rothfuss	D286,180 S	10/1986	Korthoff
4,296,654 A	10/1981	Mercer	D286,441 S	10/1986	Korthoff et al.
4,304,236 A	12/1981	Conta et al.	D286,442 S	10/1986	Korthoff et al.
4,305,539 A	12/1981	Korolkov et al.	4,619,262 A	10/1986	Taylor
4,312,685 A	1/1982	Riedl	4,619,391 A	10/1986	Sharkany et al.
4,317,451 A	3/1982	Cerwin et al.	4,628,459 A	12/1986	Shinohara et al.
4,319,576 A	3/1982	Rothfuss	4,629,107 A	12/1986	Fedotov et al.
4,321,002 A	3/1982	Froehlich	4,632,290 A	12/1986	Green et al.
4,328,839 A	5/1982	Lyons et al.	4,633,874 A	1/1987	Chow et al.
4,331,277 A	5/1982	Green	4,634,419 A	1/1987	Kreizman et al.
4,340,331 A	7/1982	Savino	4,641,076 A	2/1987	Linden
4,347,450 A	8/1982	Colligan	4,643,731 A	2/1987	Eckenhoff
4,349,028 A	9/1982	Green	4,646,722 A	3/1987	Silverstein et al.
4,353,371 A	10/1982	Cosman	4,652,820 A	3/1987	Maresca
4,379,457 A	4/1983	Gravener et al.	4,655,222 A	4/1987	Florez et al.
4,380,312 A	4/1983	Landrus	4,662,555 A	5/1987	Thornton
4,382,326 A	5/1983	Rabuse	4,663,874 A	5/1987	Sano et al.
4,383,634 A	5/1983	Green	4,664,305 A	5/1987	Blake, III et al.
4,393,728 A	7/1983	Larson et al.	4,665,916 A	5/1987	Green
4,396,139 A	8/1983	Hall et al.	4,667,674 A	5/1987	Korthoff et al.
4,397,311 A	8/1983	Kanshin et al.	4,669,647 A	6/1987	Storace
4,402,445 A	9/1983	Green	4,671,445 A	6/1987	Barker et al.
4,408,692 A	10/1983	Sigel et al.	4,676,245 A	6/1987	Fukuda
4,409,057 A	10/1983	Molenda et al.	4,684,051 A	8/1987	Akopov et al.
4,415,112 A	11/1983	Green	4,693,248 A	9/1987	Failla
4,416,276 A	11/1983	Newton et al.	4,700,703 A	10/1987	Resnick et al.
4,428,376 A	1/1984	Mericle	4,708,141 A	11/1987	Inoue et al.
4,429,695 A	2/1984	Green	4,709,120 A	11/1987	Pearson
4,434,796 A	3/1984	Karapetian et al.	4,715,520 A	12/1987	Roehr, Jr. et al.
4,438,659 A	3/1984	Desplats	4,719,917 A	1/1988	Barrows et al.
4,442,964 A	4/1984	Becht	4,727,308 A	2/1988	Huljak et al.
4,448,194 A	5/1984	DiGiovanni et al.	4,728,020 A	3/1988	Green et al.
4,451,743 A	5/1984	Suzuki et al.	4,728,876 A	3/1988	Mongeon et al.
4,454,887 A	6/1984	Kruger	4,729,260 A	3/1988	Dudden
4,467,805 A	8/1984	Fukuda	4,730,726 A	3/1988	Holzwarth
4,473,077 A	9/1984	Noiles et al.	4,741,336 A	5/1988	Failla et al.
4,475,679 A	10/1984	Fleury, Jr.	4,743,214 A	5/1988	Tai-Cheng
4,485,816 A	12/1984	Krumme	4,747,820 A	5/1988	Hornlein et al.
4,486,928 A	12/1984	Tucker et al.	4,750,902 A	6/1988	Wuchinich et al.
4,488,523 A	12/1984	Shichman	4,752,024 A	6/1988	Green et al.
4,489,875 A	12/1984	Crawford et al.	4,754,909 A	7/1988	Barker et al.
4,499,895 A	2/1985	Takayama	4,767,044 A	8/1988	Green
4,500,024 A	2/1985	DiGiovanni et al.	D297,764 S	9/1988	Hunt et al.
4,505,272 A	3/1985	Utyamyshev et al.	4,773,420 A	9/1988	Green
4,505,273 A	3/1985	Braun et al.	4,777,780 A	10/1988	Holzwarth
4,505,414 A	3/1985	Filipi	4,781,186 A	11/1988	Simpson et al.
4,506,671 A	3/1985	Green	4,787,387 A	11/1988	Burbank, III et al.
4,520,817 A	6/1985	Green	4,790,225 A	12/1988	Moody et al.
4,522,327 A	6/1985	Korthoff et al.	4,802,478 A	2/1989	Powell
4,526,174 A	7/1985	Froehlich	4,805,617 A	2/1989	Bedi et al.
4,527,724 A	7/1985	Chow et al.	4,805,823 A	2/1989	Rothfuss
4,530,453 A	7/1985	Green	4,809,695 A	3/1989	Gwathmey et al.
4,531,522 A	7/1985	Bedi et al.	4,815,460 A	3/1989	Porat et al.
4,532,927 A	8/1985	Miksza, Jr.	4,817,847 A	4/1989	Redtenbacher et al.
4,548,202 A	10/1985	Duncan	4,819,853 A	4/1989	Green
4,565,109 A	1/1986	Tsay	4,821,939 A	4/1989	Green
4,565,189 A	1/1986	Mabuchi	4,827,911 A	5/1989	Broadwin et al.
4,566,620 A	1/1986	Green et al.	4,830,855 A	5/1989	Stewart
4,569,469 A	2/1986	Mongeon et al.	4,834,720 A	5/1989	Blinkhorn
4,571,213 A	2/1986	Ishimoto	4,844,068 A	7/1989	Arata et al.
4,573,468 A	3/1986	Conta et al.	4,848,637 A	7/1989	Pruitt
4,573,469 A	3/1986	Golden et al.	4,865,030 A	9/1989	Polyak
4,573,622 A	3/1986	Green et al.	4,869,414 A	9/1989	Green et al.
4,576,167 A	3/1986	Noiles	4,869,415 A	9/1989	Fox
4,580,712 A	4/1986	Green	4,873,977 A	10/1989	Avant et al.
4,585,153 A	4/1986	Failla et al.	4,874,122 A	10/1989	Froelich et al.
4,589,416 A	5/1986	Green	4,880,015 A	11/1989	Nierman
4,591,085 A	5/1986	Di Giovanni	4,887,601 A	12/1989	Richards
4,597,753 A	7/1986	Turley	4,887,756 A	12/1989	Puchy
4,600,037 A	7/1986	Hatten	4,890,613 A	1/1990	Golden et al.
4,604,786 A	8/1986	Howie, Jr.	4,892,244 A	1/1990	Fox et al.
4,605,001 A	8/1986	Rothfuss et al.	4,893,622 A	1/1990	Green et al.
4,605,004 A	8/1986	Di Giovanni et al.	4,894,051 A	1/1990	Shiber
4,606,343 A	8/1986	Conta et al.	4,896,678 A	1/1990	Ogawa
4,607,638 A	8/1986	Crainich	4,900,303 A	2/1990	Lemelson

US D948,043 S

Page 3

4,903,697 A	2/1990	Resnick et al.	5,195,968 A	3/1993	Lundquist et al.
4,915,100 A	4/1990	Green	5,197,648 A	3/1993	Gingold
4,930,503 A	6/1990	Pruitt	5,197,649 A	3/1993	Bessler et al.
4,930,674 A	6/1990	Barak	5,197,966 A	3/1993	Sommerkamp
4,931,047 A	6/1990	Broadwin et al.	5,200,280 A	4/1993	Karasa
4,932,960 A	6/1990	Green et al.	5,201,746 A	4/1993	Shichman
4,938,408 A	7/1990	Bedi et al.	5,205,459 A	4/1993	Brinkerhoff et al.
4,941,623 A	7/1990	Pruitt	5,207,697 A	5/1993	Carusillo et al.
4,944,443 A	7/1990	Oddsens et al.	5,209,747 A	5/1993	Knoepfler
4,951,860 A	8/1990	Peters et al.	5,211,649 A	5/1993	Kohler et al.
4,955,898 A	9/1990	Matsutani et al.	5,211,655 A	5/1993	Hasson
4,955,959 A	9/1990	Tompkins et al.	5,217,457 A	6/1993	Delahuerga et al.
4,965,709 A	10/1990	Ngo	5,217,478 A	6/1993	Rexroth
4,973,274 A	11/1990	Hirukawa	5,219,111 A	6/1993	Bilotti et al.
4,978,049 A	12/1990	Green	5,221,036 A	6/1993	Takase
4,978,333 A	12/1990	Broadwin et al.	5,221,281 A	6/1993	Klicek
4,986,808 A	1/1991	Broadwin et al.	5,222,963 A	6/1993	Brinkerhoff et al.
4,988,334 A	1/1991	Hornlein et al.	5,222,975 A	6/1993	Crainich
5,002,543 A	3/1991	Bradshaw et al.	5,222,976 A	6/1993	Yoon
5,002,553 A	3/1991	Shiber	5,223,675 A	6/1993	Taft
5,005,754 A	4/1991	Van Overloop	D338,729 S	8/1993	Sprecklemeier et al.
5,009,661 A	4/1991	Michelson	5,234,447 A	8/1993	Kaster et al.
5,014,899 A	5/1991	Presty et al.	5,236,440 A	8/1993	Hlavacek
5,015,227 A	5/1991	Broadwin et al.	5,239,981 A	8/1993	Anapliotis
5,018,515 A	5/1991	Gilman	5,240,163 A	8/1993	Stein et al.
5,018,657 A	5/1991	Pedlick et al.	5,242,457 A	9/1993	Akopov et al.
5,024,671 A	6/1991	Tu et al.	5,244,462 A	9/1993	Delahuerga et al.
5,027,834 A	7/1991	Pruitt	5,246,156 A	9/1993	Rothfuss et al.
5,031,814 A	7/1991	Tompkins et al.	5,246,443 A	9/1993	Mai
5,035,040 A	7/1991	Kerrigan et al.	5,253,793 A	10/1993	Green et al.
5,038,109 A	8/1991	Goble et al.	5,258,009 A	11/1993	Connors
5,040,715 A	8/1991	Green et al.	5,258,012 A	11/1993	Luscombe et al.
5,042,707 A	8/1991	Taheri	5,259,366 A	11/1993	Reydel et al.
5,053,047 A	10/1991	Yoon	5,260,637 A	11/1993	Pizzi
5,061,269 A	10/1991	Muller	5,263,629 A	11/1993	Trumbull et al.
5,062,563 A	11/1991	Green et al.	5,263,973 A	11/1993	Cook
5,065,929 A	11/1991	Schulze et al.	5,264,218 A	11/1993	Rogozinski
5,071,052 A	12/1991	Rodak et al.	5,268,622 A	12/1993	Philipp
5,071,430 A	12/1991	de Salis et al.	5,271,543 A	12/1993	Grant et al.
5,074,454 A	12/1991	Peters	5,271,544 A	12/1993	Fox et al.
5,079,006 A	1/1992	Urquhart	RE34,519 E	1/1994	Fox et al.
5,080,556 A	1/1992	Carreno	5,275,323 A	1/1994	Schulze et al.
5,083,695 A	1/1992	Foslien et al.	5,275,608 A	1/1994	Forman et al.
5,084,057 A	1/1992	Green et al.	5,279,416 A	1/1994	Malec et al.
5,088,979 A	2/1992	Filipi et al.	5,281,216 A	1/1994	Klicek
5,088,997 A	2/1992	Delahuerga et al.	5,282,806 A	2/1994	Haber et al.
5,089,009 A	2/1992	Green	5,282,829 A	2/1994	Hermes
5,094,247 A	3/1992	Hernandez et al.	5,284,128 A	2/1994	Hart
5,100,420 A	3/1992	Green et al.	5,285,945 A	2/1994	Brinkerhoff et al.
5,104,025 A	4/1992	Main et al.	5,289,963 A	3/1994	McGarry et al.
5,104,397 A	4/1992	Vasconcelos et al.	5,290,271 A	3/1994	Jernberg
5,106,008 A	4/1992	Tompkins et al.	5,292,053 A	3/1994	Bilotti et al.
5,108,368 A	4/1992	Hammerslag et al.	5,297,714 A	3/1994	Kramer
5,111,987 A	5/1992	Moeinzadeh et al.	5,303,539 A	4/1994	Neamtu
5,116,349 A	5/1992	Aranyi	5,304,204 A	4/1994	Bregen
D327,323 S	6/1992	Hunt	D347,474 S	5/1994	Olson
5,122,156 A	6/1992	Granger et al.	5,307,976 A	5/1994	Olson et al.
5,125,876 A	6/1992	Hirota	5,308,576 A	5/1994	Green et al.
5,129,570 A	7/1992	Schulze et al.	5,309,927 A	5/1994	Welch
5,137,198 A	8/1992	Nobis et al.	5,312,023 A	5/1994	Green et al.
5,139,513 A	8/1992	Segato	5,312,024 A	5/1994	Grant et al.
5,141,144 A	8/1992	Foslien et al.	5,312,329 A	5/1994	Beaty et al.
5,142,932 A	9/1992	Moya et al.	5,314,424 A	5/1994	Nicholas
5,155,941 A	10/1992	Takahashi et al.	5,314,445 A	5/1994	Heidmueller Nee Degwitz et al.
5,156,315 A	10/1992	Green et al.	5,314,466 A	5/1994	Stern et al.
5,156,609 A	10/1992	Nakao et al.	5,318,221 A	6/1994	Green et al.
5,156,614 A	10/1992	Green et al.	D348,930 S	7/1994	Olson
5,158,567 A	10/1992	Green	5,329,923 A	7/1994	Lundquist
D330,699 S	11/1992	Gill	5,330,487 A	7/1994	Thornton et al.
5,163,598 A	11/1992	Peters et al.	5,330,502 A	7/1994	Hassler et al.
5,170,925 A	12/1992	Madden et al.	5,332,142 A	7/1994	Robinson et al.
5,171,247 A	12/1992	Hughett et al.	5,333,422 A	8/1994	Warren et al.
5,171,249 A	12/1992	Stefanchik et al.	5,333,772 A	8/1994	Rothfuss et al.
5,171,253 A	12/1992	Klieman	5,333,773 A	8/1994	Main et al.
5,188,111 A	2/1993	Yates et al.	5,334,183 A	8/1994	Wuchinich
5,190,517 A	3/1993	Zieve et al.	5,336,229 A	8/1994	Noda
5,190,544 A	3/1993	Chapman et al.	5,336,232 A	8/1994	Green et al.
5,190,560 A	3/1993	Woods et al.	5,339,799 A	8/1994	Kami et al.
5,192,288 A	3/1993	Thompson et al.	5,341,724 A	8/1994	Vatel

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Page 4

5,341,810 A	8/1994	Dardel	5,423,471 A	6/1995	Mastri et al.
5,342,381 A	8/1994	Tidemand	5,423,809 A	6/1995	Klicek
5,342,395 A	8/1994	Jarrett et al.	5,425,745 A	6/1995	Green et al.
5,342,396 A	8/1994	Cook	5,431,322 A	7/1995	Green et al.
5,344,060 A	9/1994	Gravener et al.	5,431,654 A	7/1995	Nic
5,344,454 A	9/1994	Clarke et al.	5,431,668 A	7/1995	Burbank, III et al.
5,346,504 A	9/1994	Ortiz et al.	5,433,721 A	7/1995	Hooven et al.
5,348,259 A	9/1994	Blanco et al.	5,437,681 A	8/1995	Meade et al.
5,350,388 A	9/1994	Epstein	5,438,302 A	8/1995	Goble
5,350,391 A	9/1994	Iacovelli	5,439,155 A	8/1995	Viola
5,350,400 A	9/1994	Esposito et al.	5,439,156 A	8/1995	Grant et al.
5,352,229 A	10/1994	Goble et al.	5,439,479 A	8/1995	Shichman et al.
5,352,235 A	10/1994	Koros et al.	5,441,191 A	8/1995	Linden
5,352,238 A	10/1994	Green et al.	5,441,193 A	8/1995	Gravener
5,354,303 A	10/1994	Spaeth et al.	5,441,483 A	8/1995	Avitall
5,356,006 A	10/1994	Alpern et al.	5,441,494 A	8/1995	Ortiz
5,358,506 A	10/1994	Green et al.	5,444,113 A	8/1995	Sinclair et al.
5,358,510 A	10/1994	Luscombe et al.	5,445,155 A	8/1995	Sieben
5,359,231 A	10/1994	Flowers et al.	5,445,304 A	8/1995	Plyley et al.
D352,780 S	11/1994	Glaeser et al.	5,445,644 A	8/1995	Pietrafitta et al.
5,360,305 A	11/1994	Kerrigan	5,447,265 A	9/1995	Vidal et al.
5,360,428 A	11/1994	Hutchinson, Jr.	5,447,417 A	9/1995	Kuhl et al.
5,364,001 A	11/1994	Bryan	5,447,513 A	9/1995	Davison et al.
5,364,003 A	11/1994	Williamson, IV	5,449,355 A	9/1995	Rhum et al.
5,366,133 A	11/1994	Geiste	5,449,365 A	9/1995	Green et al.
5,366,134 A	11/1994	Green et al.	5,449,370 A	9/1995	Vaitekunas
5,366,479 A	11/1994	McGarry et al.	5,452,836 A	9/1995	Huitema et al.
5,368,015 A	11/1994	Wilk	5,452,837 A	9/1995	Williamson, IV et al.
5,368,592 A	11/1994	Stern et al.	5,454,378 A	10/1995	Palmer et al.
5,370,645 A	12/1994	Klicek et al.	5,454,822 A	10/1995	Schob et al.
5,372,124 A	12/1994	Takayama et al.	5,454,827 A	10/1995	Aust et al.
5,372,596 A	12/1994	Klicek et al.	5,456,401 A	10/1995	Green et al.
5,372,602 A	12/1994	Burke	5,458,579 A	10/1995	Chodorow et al.
5,374,277 A	12/1994	Hassler	5,462,215 A	10/1995	Viola et al.
5,376,095 A	12/1994	Ortiz	5,464,013 A	11/1995	Lemelson
5,379,933 A	1/1995	Green et al.	5,464,144 A	11/1995	Guy et al.
5,381,649 A	1/1995	Webb	5,464,300 A	11/1995	Crainich
5,381,782 A	1/1995	DeLaRama et al.	5,465,819 A	11/1995	Weilant et al.
5,381,943 A	1/1995	Allen et al.	5,465,894 A	11/1995	Clark et al.
5,382,247 A	1/1995	Cimino et al.	5,465,895 A	11/1995	Knodel et al.
5,383,880 A	1/1995	Hooven	5,465,896 A	11/1995	Allen et al.
5,383,881 A	1/1995	Green et al.	5,466,020 A	11/1995	Page et al.
5,383,882 A	1/1995	Buess et al.	5,467,911 A	11/1995	Tsuruta et al.
5,383,888 A	1/1995	Zvenyatsky et al.	5,468,253 A	11/1995	Bezwada et al.
5,383,895 A	1/1995	Holmes et al.	5,470,006 A	11/1995	Rodak
5,389,098 A	2/1995	Tsuruta et al.	5,470,007 A	11/1995	Plyley et al.
5,389,104 A	2/1995	Hahnen et al.	5,470,009 A	11/1995	Rodak
5,391,180 A	2/1995	Tovey et al.	5,470,010 A	11/1995	Rothfuss et al.
5,392,978 A	2/1995	Velez et al.	5,472,132 A	12/1995	Savage et al.
5,392,979 A	2/1995	Green et al.	5,472,442 A	12/1995	Klicek
5,395,030 A	3/1995	Kuramoto et al.	5,473,204 A	12/1995	Temple
5,395,033 A	3/1995	Byrne et al.	5,474,057 A	12/1995	Makower et al.
5,395,034 A	3/1995	Allen et al.	5,474,223 A	12/1995	Viola et al.
5,395,312 A	3/1995	Desai	5,474,566 A	12/1995	Alesi et al.
5,395,384 A	3/1995	Duthoit et al.	5,476,206 A	12/1995	Green et al.
5,397,046 A	3/1995	Savage et al.	5,476,479 A	12/1995	Green et al.
5,397,324 A	3/1995	Carroll et al.	5,478,003 A	12/1995	Green et al.
5,403,043 A	4/1995	Smet	5,478,354 A	12/1995	Tovey et al.
5,403,312 A	4/1995	Yates et al.	5,480,089 A	1/1996	Blewett
5,405,072 A	4/1995	Zlock et al.	5,480,409 A	1/1996	Riza
5,405,073 A	4/1995	Porter	5,482,197 A	1/1996	Green et al.
5,405,344 A	4/1995	Williamson et al.	5,484,095 A	1/1996	Green et al.
5,405,360 A	4/1995	Tovey	5,484,398 A	1/1996	Stoddard
5,407,293 A	4/1995	Crainich	5,484,451 A	1/1996	Akopov et al.
5,409,498 A	4/1995	Braddock et al.	5,485,947 A	1/1996	Olson et al.
D357,981 S	5/1995	Green et al.	5,485,952 A	1/1996	Fontayne
5,411,481 A	5/1995	Allen et al.	5,487,499 A	1/1996	Sorrentino et al.
5,411,508 A	5/1995	Bessler et al.	5,487,500 A	1/1996	Knodel et al.
5,413,107 A	5/1995	Oakley et al.	5,489,058 A	2/1996	Plyley et al.
5,413,267 A	5/1995	Solyntjes et al.	5,489,256 A	2/1996	Adair
5,413,268 A	5/1995	Green et al.	5,496,312 A	3/1996	Klicek
5,413,272 A	5/1995	Green et al.	5,496,317 A	3/1996	Goble et al.
5,413,573 A	5/1995	Koivukangas	5,497,933 A	3/1996	DeFonzo et al.
5,415,334 A	5/1995	Williamson et al.	5,501,654 A	3/1996	Failla et al.
5,415,335 A	5/1995	Knodell, Jr.	5,503,320 A	4/1996	Webster et al.
5,417,203 A	5/1995	Tovey et al.	5,503,635 A	4/1996	Sauer et al.
5,417,361 A	5/1995	Williamson, IV	5,503,638 A	4/1996	Cooper et al.
5,421,829 A	6/1995	Olichney et al.	5,505,363 A	4/1996	Green et al.
5,422,567 A	6/1995	Matsunaga	5,507,425 A	4/1996	Ziglioli

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5,507,426 A	4/1996	Young et al.	5,599,279 A	2/1997	Slotman et al.
5,509,596 A	4/1996	Green et al.	5,599,344 A	2/1997	Paterson
5,509,916 A	4/1996	Taylor	5,599,350 A	2/1997	Schulze et al.
5,511,564 A	4/1996	Wilk	5,599,852 A	2/1997	Scopelianos et al.
5,514,129 A	5/1996	Smith	5,601,224 A	2/1997	Bishop et al.
5,514,157 A	5/1996	Nicholas et al.	5,603,443 A	2/1997	Clark et al.
5,518,163 A	5/1996	Hooven	5,605,272 A	2/1997	Witt et al.
5,518,164 A	5/1996	Hooven	5,605,273 A	2/1997	Hamblin et al.
5,520,678 A	5/1996	Heckele et al.	5,607,094 A	3/1997	Clark et al.
5,520,700 A	5/1996	Beyar et al.	5,607,095 A	3/1997	Smith et al.
5,522,817 A	6/1996	Sander et al.	5,607,433 A	3/1997	Polla et al.
5,522,831 A	6/1996	Sleister et al.	5,607,450 A	3/1997	Zvenyatsky et al.
5,527,320 A	6/1996	Carruthers et al.	5,609,285 A	3/1997	Grant et al.
5,529,235 A	6/1996	Boiarski et al.	5,609,601 A	3/1997	Kolesa et al.
D372,086 S	7/1996	Grasso et al.	5,611,709 A	3/1997	McAnulty
5,531,305 A	7/1996	Roberts et al.	5,613,966 A	3/1997	Makower et al.
5,531,744 A	7/1996	Nardella et al.	5,615,820 A	4/1997	Viola
5,533,521 A	7/1996	Granger	5,618,294 A	4/1997	Aust et al.
5,533,581 A	7/1996	Barth et al.	5,618,303 A	4/1997	Marlow et al.
5,533,661 A	7/1996	Main et al.	5,618,307 A	4/1997	Donlon et al.
5,535,934 A	7/1996	Boiarski et al.	5,619,992 A	4/1997	Guthrie et al.
5,535,935 A	7/1996	Vidal et al.	5,620,289 A	4/1997	Curry
5,535,937 A	7/1996	Boiarski et al.	5,620,452 A	4/1997	Yoon
5,540,375 A	7/1996	Bolanos et al.	5,624,398 A	4/1997	Smith et al.
5,541,376 A	7/1996	Ladtkow et al.	5,624,452 A	4/1997	Yates
5,542,594 A	8/1996	McKean et al.	5,626,587 A	5/1997	Bishop et al.
5,542,949 A	8/1996	Yoon	5,626,595 A	5/1997	Sklar et al.
5,543,119 A	8/1996	Sutter et al.	5,628,446 A	5/1997	Geiste et al.
5,547,117 A	8/1996	Hamblin et al.	5,628,743 A	5/1997	Cimino
5,549,621 A	8/1996	Bessler et al.	5,628,745 A	5/1997	Bek
5,549,627 A	8/1996	Kieturakis	5,630,539 A	5/1997	Plyley et al.
5,549,628 A	8/1996	Cooper et al.	5,630,540 A	5/1997	Blewett
5,549,637 A	8/1996	Crainich	5,630,541 A	5/1997	Williamson, IV et al.
5,551,622 A	9/1996	Yoon	5,630,782 A	5/1997	Adair
5,553,675 A	9/1996	Pitzen et al.	5,632,432 A	5/1997	Schulze et al.
5,553,765 A	9/1996	Knodel et al.	5,632,433 A	5/1997	Grant et al.
5,554,148 A	9/1996	Aebischer et al.	5,634,584 A	6/1997	Okorochoa et al.
5,554,169 A	9/1996	Green et al.	5,636,779 A	6/1997	Palmer
5,556,416 A	9/1996	Clark et al.	5,636,780 A	6/1997	Green et al.
5,558,665 A	9/1996	Kieturakis	5,639,008 A	6/1997	Gallagher et al.
5,558,671 A	9/1996	Yates	D381,077 S	7/1997	Hunt
5,560,530 A	10/1996	Bolanos et al.	5,643,291 A	7/1997	Pier et al.
5,560,532 A	10/1996	DeFonzo et al.	5,645,209 A	7/1997	Green et al.
5,562,239 A	10/1996	Boiarski et al.	5,647,526 A	7/1997	Green et al.
5,562,241 A	10/1996	Knodel et al.	5,647,869 A	7/1997	Goble et al.
5,562,682 A	10/1996	Oberlin et al.	5,649,937 A	7/1997	Bito et al.
5,562,690 A	10/1996	Green et al.	5,649,956 A	7/1997	Jensen et al.
5,562,701 A	10/1996	Huitema et al.	5,651,491 A	7/1997	Heaton et al.
5,562,702 A	10/1996	Huitema et al.	5,653,373 A	8/1997	Green et al.
5,564,615 A	10/1996	Bishop et al.	5,653,374 A	8/1997	Young et al.
5,569,161 A	10/1996	Ebling et al.	5,653,677 A	8/1997	Okada et al.
5,569,270 A	10/1996	Weng	5,653,721 A	8/1997	Knodel et al.
5,569,284 A	10/1996	Young et al.	5,655,698 A	8/1997	Yoon
5,571,090 A	11/1996	Sherts	5,657,921 A	8/1997	Young et al.
5,571,100 A	11/1996	Goble et al.	5,658,238 A	8/1997	Suzuki et al.
5,571,116 A	11/1996	Bolanos et al.	5,658,281 A	8/1997	Heard
5,571,285 A	11/1996	Chow et al.	5,658,300 A	8/1997	Bito et al.
5,573,541 A	11/1996	Green et al.	5,658,307 A	8/1997	Exconde
5,573,543 A	11/1996	Akopov et al.	5,662,258 A	9/1997	Knodel et al.
5,574,431 A	11/1996	McKeown et al.	5,662,260 A	9/1997	Yoon
5,575,054 A	11/1996	Klinzing et al.	5,662,662 A	9/1997	Bishop et al.
5,575,789 A	11/1996	Bell et al.	5,665,085 A	9/1997	Nardella
5,575,799 A	11/1996	Bolanos et al.	5,665,100 A	9/1997	Yoon
5,575,803 A	11/1996	Cooper et al.	5,667,517 A	9/1997	Hooven
5,575,805 A	11/1996	Li	5,667,526 A	9/1997	Levin
5,577,654 A	11/1996	Bishop	5,667,527 A	9/1997	Cook
5,579,978 A	12/1996	Green et al.	5,669,544 A	9/1997	Schulze et al.
5,580,067 A	12/1996	Hamblin et al.	5,669,904 A	9/1997	Platt, Jr. et al.
5,582,611 A	12/1996	Tsuruta et al.	5,669,907 A	9/1997	Platt, Jr. et al.
5,582,617 A	12/1996	Klieman et al.	5,669,918 A	9/1997	Balazs et al.
5,584,425 A	12/1996	Savage et al.	5,673,840 A	10/1997	Schulze et al.
5,586,711 A	12/1996	Plyley et al.	5,673,841 A	10/1997	Schulze et al.
5,588,579 A	12/1996	Schnut et al.	5,673,842 A	10/1997	Bittner et al.
5,588,580 A	12/1996	Paul et al.	5,674,286 A	10/1997	D'Alessio et al.
5,588,581 A	12/1996	Conlon et al.	5,678,748 A	10/1997	Plyley et al.
5,591,170 A	1/1997	Spievack et al.	5,680,981 A	10/1997	Mililli et al.
5,591,187 A	1/1997	Dekel	5,680,982 A	10/1997	Schulze et al.
5,597,107 A	1/1997	Knodel et al.	5,680,983 A	10/1997	Plyley et al.
5,599,151 A	2/1997	Daum et al.	5,683,349 A	11/1997	Makower et al.

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Page 6

5,685,474 A	11/1997	Seeber	5,779,132 A	7/1998	Knodel et al.
5,686,090 A	11/1997	Schilder et al.	5,782,396 A	7/1998	Mastri et al.
5,688,270 A	11/1997	Yates et al.	5,782,397 A	7/1998	Koukline
5,690,269 A	11/1997	Bolanos et al.	5,782,748 A	7/1998	Palmer et al.
5,692,668 A	12/1997	Schulze et al.	5,782,749 A	7/1998	Riza
5,693,020 A	12/1997	Rauh	5,782,859 A	7/1998	Nicholas et al.
5,693,042 A	12/1997	Boiarski et al.	5,784,934 A	7/1998	Izumisawa
5,693,051 A	12/1997	Schulze et al.	5,785,232 A	7/1998	Vidal et al.
5,695,494 A	12/1997	Becker	5,785,647 A	7/1998	Tompkins et al.
5,695,502 A	12/1997	Pier et al.	5,787,897 A	8/1998	Kieturakis
5,695,504 A	12/1997	Gifford, III et al.	5,792,135 A	8/1998	Madhani et al.
5,695,524 A	12/1997	Kelley et al.	5,792,165 A	8/1998	Klieman et al.
5,697,542 A	12/1997	Knodel et al.	5,794,834 A	8/1998	Hamblin et al.
5,697,543 A	12/1997	Burdorff	5,796,188 A	8/1998	Bays
5,697,909 A	12/1997	Eggers et al.	5,797,536 A	8/1998	Smith et al.
5,697,943 A	12/1997	Sauer et al.	5,797,537 A	8/1998	Oberlin et al.
5,700,270 A	12/1997	Peyser et al.	5,797,538 A	8/1998	Heaton et al.
5,702,387 A	12/1997	Arts et al.	5,797,906 A	8/1998	Rhum et al.
5,702,408 A	12/1997	Wales et al.	5,797,958 A	8/1998	Yoon
5,702,409 A	12/1997	Rayburn et al.	5,797,959 A	8/1998	Castro et al.
5,704,087 A	1/1998	Strub	5,799,857 A	9/1998	Robertson et al.
5,704,534 A	1/1998	Huitema et al.	5,800,379 A	9/1998	Edwards
5,706,997 A	1/1998	Green et al.	5,800,423 A	9/1998	Jensen
5,706,998 A	1/1998	Plyley et al.	5,806,676 A	9/1998	Wasgien
5,707,392 A	1/1998	Kortenbach	5,807,376 A	9/1998	Viola et al.
5,709,334 A	1/1998	Sorrentino et al.	5,807,378 A	9/1998	Jensen et al.
5,709,335 A	1/1998	Heck	5,807,393 A	9/1998	Williamson, IV et al.
5,709,680 A	1/1998	Yates et al.	5,809,441 A	9/1998	McKee
5,709,706 A	1/1998	Kienzle et al.	5,810,721 A	9/1998	Mueller et al.
5,711,472 A	1/1998	Bryan	5,810,811 A	9/1998	Yates et al.
5,713,128 A	2/1998	Schrenk et al.	5,810,846 A	9/1998	Virnich et al.
5,713,505 A	2/1998	Huitema	5,810,855 A	9/1998	Rayburn et al.
5,713,895 A	2/1998	Lontine et al.	5,813,813 A	9/1998	Daum et al.
5,713,896 A	2/1998	Nardella	5,814,055 A	9/1998	Knodel et al.
5,713,920 A	2/1998	Bezwada et al.	5,814,057 A	9/1998	Oi et al.
5,715,604 A	2/1998	Lanzoni	5,816,471 A	10/1998	Plyley et al.
5,715,987 A	2/1998	Kelley et al.	5,817,084 A	10/1998	Jensen
5,715,988 A	2/1998	Palmer	5,817,091 A	10/1998	Nardella et al.
5,716,366 A	2/1998	Yates	5,817,093 A	10/1998	Williamson, IV et al.
5,718,359 A	2/1998	Palmer et al.	5,817,109 A	10/1998	McGarry et al.
5,718,360 A	2/1998	Green et al.	5,817,119 A	10/1998	Klieman et al.
5,718,548 A	2/1998	Cotellessa	5,820,009 A	10/1998	Melling et al.
5,718,706 A	2/1998	Roger	5,823,066 A	10/1998	Huitema et al.
5,720,744 A	2/1998	Eggleston et al.	5,826,776 A	10/1998	Schulze et al.
D393,067 S	3/1998	Geary et al.	5,827,271 A	10/1998	Buysse et al.
5,725,536 A	3/1998	Oberlin et al.	5,827,298 A	10/1998	Hart et al.
5,725,554 A	3/1998	Simon et al.	5,829,662 A	11/1998	Allen et al.
5,728,110 A	3/1998	Vidal et al.	5,830,598 A	11/1998	Patterson
5,728,121 A	3/1998	Bimbo et al.	5,833,690 A	11/1998	Yates et al.
5,730,758 A	3/1998	Allgeyer	5,833,695 A	11/1998	Yoon
5,732,821 A	3/1998	Stone et al.	5,833,696 A	11/1998	Whitfield et al.
5,732,871 A	3/1998	Clark et al.	5,836,503 A	11/1998	Ehrenfels et al.
5,732,872 A	3/1998	Bolduc et al.	5,836,960 A	11/1998	Kolesa et al.
5,733,308 A	3/1998	Daugherty et al.	5,839,639 A	11/1998	Sauer et al.
5,735,445 A	4/1998	Vidal et al.	5,843,021 A	12/1998	Edwards et al.
5,735,848 A	4/1998	Yates et al.	5,843,096 A	12/1998	Igaki et al.
5,735,874 A	4/1998	Measamer et al.	5,843,097 A	12/1998	Mayenberger et al.
5,738,474 A	4/1998	Blewett	5,843,122 A	12/1998	Riza
5,738,648 A	4/1998	Lands et al.	5,843,132 A	12/1998	Ilvento
5,743,456 A	4/1998	Jones et al.	5,843,169 A	12/1998	Taheri
5,747,953 A	5/1998	Philipp	5,846,254 A	12/1998	Schulze et al.
5,749,889 A	5/1998	Bacich et al.	5,849,011 A	12/1998	Jones et al.
5,749,893 A	5/1998	Vidal et al.	5,849,023 A	12/1998	Mericle
5,752,644 A	5/1998	Bolanos et al.	5,855,311 A	1/1999	Hamblin et al.
5,752,965 A	5/1998	Francis et al.	5,855,583 A	1/1999	Wang et al.
5,755,717 A	5/1998	Yates et al.	5,860,581 A	1/1999	Robertson et al.
5,758,814 A	6/1998	Gallagher et al.	5,860,975 A	1/1999	Goble et al.
5,762,255 A	6/1998	Chrisman et al.	5,865,361 A	2/1999	Milliman et al.
5,762,256 A	6/1998	Mastri et al.	5,868,760 A	2/1999	McGuckin, Jr.
5,766,188 A	6/1998	Igaki	5,868,790 A	2/1999	Vincent et al.
5,766,205 A	6/1998	Zvenyatsky et al.	5,871,135 A	2/1999	Williamson IV et al.
5,769,892 A	6/1998	Kingwell	5,873,885 A	2/1999	Weidenbenner
5,772,379 A	6/1998	Evensen	5,876,401 A	3/1999	Schulze et al.
5,772,578 A	6/1998	Heimberger et al.	5,878,193 A	3/1999	Wang et al.
5,772,659 A	6/1998	Becker et al.	5,878,937 A	3/1999	Green et al.
5,776,130 A	7/1998	Buysse et al.	5,878,938 A	3/1999	Bittner et al.
5,778,939 A	7/1998	Hok-Yin	5,891,160 A	4/1999	Williamson, IV et al.
5,779,130 A	7/1998	Alesi et al.	5,893,506 A	4/1999	Powell
5,779,131 A	7/1998	Knodel et al.	5,893,835 A	4/1999	Witt et al.

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Page 7

5,893,863 A	4/1999	Yoon	6,053,922 A	4/2000	Krause et al.
5,893,878 A	4/1999	Pierce	RE36,720 E	5/2000	Green et al.
5,894,979 A	4/1999	Powell	6,056,735 A	5/2000	Okada et al.
5,897,552 A	4/1999	Edwards et al.	6,056,746 A	5/2000	Goble et al.
5,897,562 A	4/1999	Bolanos et al.	6,062,360 A	5/2000	Shields
5,899,914 A	5/1999	Zirps et al.	6,063,097 A	5/2000	Oi et al.
5,901,895 A	5/1999	Heaton et al.	6,063,098 A	5/2000	Houser et al.
5,902,312 A	5/1999	Frater et al.	6,065,919 A	5/2000	Peck
5,904,647 A	5/1999	Ouchi	6,066,132 A	5/2000	Chen et al.
5,904,693 A	5/1999	Dicesare et al.	6,068,627 A	5/2000	Orszulak et al.
5,904,702 A	5/1999	Ek et al.	6,071,233 A	6/2000	Ishikawa et al.
5,906,625 A	5/1999	Bito et al.	6,074,386 A	6/2000	Goble et al.
5,908,402 A	6/1999	Blythe	6,074,401 A	6/2000	Gardiner et al.
5,908,427 A	6/1999	McKean et al.	6,077,286 A	6/2000	Cuschieri et al.
5,911,353 A	6/1999	Bolanos et al.	6,079,606 A	6/2000	Milliman et al.
5,915,616 A	6/1999	Viola et al.	6,080,181 A	6/2000	Jensen et al.
5,916,225 A	6/1999	Kugel	6,082,577 A	7/2000	Coates et al.
5,918,791 A	7/1999	Sorrentino et al.	6,083,191 A	7/2000	Rose
5,919,198 A	7/1999	Graves, Jr. et al.	6,083,234 A	7/2000	Nicholas et al.
5,919,202 A	7/1999	Yoon	6,083,242 A	7/2000	Cook
5,921,956 A	7/1999	Grinberg et al.	6,086,544 A	7/2000	Hibner et al.
5,928,256 A	7/1999	Riza	6,086,600 A	7/2000	Kortenbach
5,931,847 A	8/1999	Bittner et al.	6,090,106 A	7/2000	Goble et al.
5,931,853 A	8/1999	McEwen et al.	6,093,186 A	7/2000	Goble
5,937,951 A	8/1999	Izuchukwu et al.	6,099,537 A	8/2000	Sugai et al.
5,938,667 A	8/1999	Peyser et al.	6,099,551 A	8/2000	Gabbay
5,941,442 A	8/1999	Geiste et al.	6,102,271 A	8/2000	Longo et al.
5,941,890 A	8/1999	Voegele et al.	6,109,500 A	8/2000	Alli et al.
5,944,172 A	8/1999	Hannula	6,117,148 A	9/2000	Ravo et al.
5,944,715 A	8/1999	Goble et al.	6,117,158 A	9/2000	Measamer et al.
5,947,984 A	9/1999	Whipple	6,119,913 A	9/2000	Adams et al.
5,947,996 A	9/1999	Logeman	6,120,433 A	9/2000	Mizuno et al.
5,948,030 A	9/1999	Miller et al.	6,123,241 A	9/2000	Walter et al.
5,951,516 A	9/1999	Bunyan	H1904 H	10/2000	Yates et al.
5,951,552 A	9/1999	Long et al.	6,126,058 A	10/2000	Adams et al.
5,951,574 A	9/1999	Stefanchik et al.	6,126,359 A	10/2000	Dittrich et al.
5,951,581 A	9/1999	Saadat et al.	6,126,670 A	10/2000	Walker et al.
5,954,259 A	9/1999	Viola et al.	6,131,789 A	10/2000	Schulze et al.
5,964,394 A	10/1999	Robertson	6,131,790 A	10/2000	Piraka
5,964,774 A	10/1999	McKean et al.	6,132,368 A	10/2000	Cooper
5,971,916 A	10/1999	Koren	6,139,546 A	10/2000	Koenig et al.
5,973,221 A	10/1999	Collyer et al.	6,149,660 A	11/2000	Laufer et al.
D416,089 S	11/1999	Barton et al.	6,152,935 A	11/2000	Kammerer et al.
5,984,949 A	11/1999	Levin	6,153,292 A	11/2000	Bell et al.
5,988,479 A	11/1999	Palmer	6,155,473 A	12/2000	Tompkins et al.
5,997,528 A	12/1999	Bisch et al.	6,156,056 A	12/2000	Kearns et al.
5,997,552 A	12/1999	Person et al.	6,159,146 A	12/2000	El Gazayerli
6,003,517 A	12/1999	Sheffield et al.	6,159,200 A	12/2000	Verdura et al.
6,004,319 A	12/1999	Goble et al.	6,159,224 A	12/2000	Yoon
6,004,335 A	12/1999	Vaitekunas et al.	6,162,208 A	12/2000	Hipps
6,010,054 A	1/2000	Johnson et al.	6,165,175 A	12/2000	Wampler et al.
6,010,513 A	1/2000	Tormala et al.	6,165,184 A	12/2000	Verdura et al.
6,012,494 A	1/2000	Balazs	6,165,188 A	12/2000	Saadat et al.
6,013,076 A	1/2000	Goble et al.	6,168,605 B1	1/2001	Measamer et al.
6,015,406 A	1/2000	Goble et al.	6,171,305 B1	1/2001	Sherman
6,015,417 A *	1/2000	Reynolds, Jr. A61B 17/064 606/151	6,171,316 B1	1/2001	Kovac et al.
6,017,322 A	1/2000	Snoke et al.	6,171,330 B1	1/2001	Benchetrit
6,017,354 A	1/2000	Culp et al.	6,174,308 B1	1/2001	Goble et al.
6,017,356 A	1/2000	Frederick et al.	6,174,309 B1	1/2001	Wrublewski et al.
6,022,352 A	2/2000	Vandewalle	6,179,194 B1	1/2001	Morton
6,024,741 A	2/2000	Williamson, IV et al.	6,179,195 B1	1/2001	Adams et al.
6,024,748 A	2/2000	Manzo et al.	6,179,776 B1	1/2001	Adams et al.
6,027,501 A	2/2000	Goble et al.	6,179,849 B1	1/2001	Yencho et al.
6,032,849 A	3/2000	Mastri et al.	6,181,105 B1	1/2001	Cutolo et al.
6,033,378 A	3/2000	Lundquist et al.	6,182,673 B1	2/2001	Kindermann et al.
6,033,399 A	3/2000	Gines	6,187,003 B1	2/2001	Buyse et al.
6,033,427 A	3/2000	Lee	6,190,386 B1	2/2001	Rydell
6,037,724 A	3/2000	Buss et al.	6,193,129 B1	2/2001	Bittner et al.
6,039,733 A	3/2000	Buyse et al.	6,197,042 B1	3/2001	Ginn et al.
6,039,734 A	3/2000	Goble	6,200,330 B1	3/2001	Benderev et al.
6,042,601 A	3/2000	Smith	6,202,914 B1	3/2001	Geiste et al.
6,045,560 A	4/2000	McKean et al.	6,206,897 B1	3/2001	Jamiolkowski et al.
6,047,861 A	4/2000	Vidal et al.	6,206,904 B1	3/2001	Ouchi
6,050,172 A	4/2000	Corves et al.	6,210,403 B1	4/2001	Klicek
6,050,472 A	4/2000	Shibata	6,213,999 B1	4/2001	Platt, Jr. et al.
6,050,990 A	4/2000	Tankovich et al.	6,214,028 B1	4/2001	Yoon et al.
6,050,996 A	4/2000	Schmaltz et al.	6,220,368 B1	4/2001	Ark et al.
6,053,390 A	4/2000	Green et al.	6,223,100 B1	4/2001	Green
			6,223,835 B1	5/2001	Habedank et al.

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6,224,617	B1	5/2001	Saadat et al.	6,439,439	B1	8/2002	Rickard et al.
6,228,081	B1	5/2001	Goble	6,439,446	B1	8/2002	Perry et al.
6,228,083	B1	5/2001	Lands et al.	6,440,146	B2	8/2002	Nicholas et al.
6,228,084	B1	5/2001	Kirwan, Jr.	6,443,973	B1	9/2002	Whitman
6,231,565	B1	5/2001	Tovey et al.	6,447,518	B1	9/2002	Krause et al.
6,234,178	B1	5/2001	Goble et al.	6,447,864	B2	9/2002	Johnson et al.
6,241,139	B1	6/2001	Milliman et al.	6,450,391	B1	9/2002	Kayan et al.
6,241,140	B1	6/2001	Adams et al.	6,450,989	B2	9/2002	Dubrul et al.
6,241,723	B1	6/2001	Heim et al.	6,454,781	B1	9/2002	Witt et al.
6,245,084	B1	6/2001	Mark et al.	6,468,275	B1	10/2002	Wampler et al.
6,248,117	B1	6/2001	Blatter	6,471,106	B1	10/2002	Reining
6,249,076	B1	6/2001	Madden et al.	6,478,210	B2	11/2002	Adams et al.
6,250,532	B1	6/2001	Green et al.	6,482,200	B2	11/2002	Shipped
6,258,107	B1	7/2001	Balazs et al.	6,485,490	B2	11/2002	Wampler et al.
6,261,286	B1	7/2001	Goble et al.	6,485,503	B2	11/2002	Jacobs et al.
6,264,086	B1	7/2001	McGuckin, Jr.	6,485,667	B1	11/2002	Tan
6,264,087	B1	7/2001	Whitman	6,488,196	B1	12/2002	Fenton, Jr.
6,270,508	B1	8/2001	Klieman et al.	6,488,197	B1	12/2002	Whitman
6,273,876	B1	8/2001	Klima et al.	6,491,201	B1	12/2002	Whitman
6,273,897	B1	8/2001	Dalessandro et al.	6,491,690	B1	12/2002	Goble et al.
6,277,114	B1	8/2001	Bullivant et al.	6,491,701	B2	12/2002	Tierney et al.
6,293,942	B1	9/2001	Goble et al.	6,492,785	B1	12/2002	Kasten et al.
6,296,640	B1	10/2001	Wampler et al.	6,494,896	B1	12/2002	D'Alessio et al.
6,302,311	B1	10/2001	Adams et al.	6,500,176	B1	12/2002	Truckai et al.
6,305,891	B1	10/2001	Burlingame	6,500,194	B2	12/2002	Benderev et al.
6,306,134	B1	10/2001	Goble et al.	6,503,257	B2	1/2003	Grant et al.
6,306,149	B1	10/2001	Meade	6,503,259	B2	1/2003	Huxel et al.
6,309,403	B1	10/2001	Minor et al.	6,505,768	B2	1/2003	Whitman
6,315,184	B1	11/2001	Whitman	6,510,854	B2	1/2003	Goble
6,320,123	B1	11/2001	Reimers	6,511,468	B1	1/2003	Cragg et al.
6,322,284	B1	11/2001	Bonardo et al.	6,512,360	B1	1/2003	Goto et al.
6,322,494	B1	11/2001	Bullivant et al.	6,517,528	B1	2/2003	Pantages et al.
6,324,339	B1	11/2001	Hudson et al.	6,517,535	B2	2/2003	Edwards
6,325,799	B1	12/2001	Goble	6,517,565	B1	2/2003	Whitman et al.
6,325,810	B1	12/2001	Hamilton et al.	6,517,566	B1	2/2003	Hovland et al.
6,330,965	B1	12/2001	Milliman et al.	6,522,101	B2	2/2003	Malackowski
6,331,181	B1	12/2001	Tierney et al.	6,527,782	B2	3/2003	Hogg et al.
6,331,761	B1	12/2001	Kumar et al.	6,527,785	B2	3/2003	Sancoff et al.
6,333,029	B1	12/2001	Vyakarnam et al.	6,533,157	B1	3/2003	Whitman
6,334,860	B1	1/2002	Dorn	6,533,784	B2	3/2003	Truckai et al.
6,334,861	B1	1/2002	Chandler et al.	6,535,764	B2	3/2003	Imran et al.
6,336,926	B1	1/2002	Goble	6,543,456	B1	4/2003	Freeman
6,338,737	B1	1/2002	Toledano	6,545,384	B1	4/2003	Pelrine et al.
6,343,731	B1	2/2002	Adams et al.	6,547,786	B1	4/2003	Goble
6,346,077	B1	2/2002	Taylor et al.	6,550,546	B2	4/2003	Thurler et al.
6,348,061	B1	2/2002	Whitman	6,551,333	B2	4/2003	Kuhns et al.
6,352,503	B1	3/2002	Matsui et al.	6,554,861	B2	4/2003	Knox et al.
6,352,532	B1	3/2002	Kramer et al.	6,555,770	B2	4/2003	Kawase
6,355,699	B1	3/2002	Vyakarnam et al.	6,558,378	B2	5/2003	Sherman et al.
6,356,072	B1	3/2002	Ass	6,558,379	B1	5/2003	Batchelor et al.
6,358,224	B1	3/2002	Tims et al.	6,565,560	B1	5/2003	Goble et al.
6,364,877	B1	4/2002	Goble et al.	6,569,085	B2	5/2003	Kortenbach et al.
6,364,888	B1	4/2002	Niemeyer et al.	6,569,171	B2	5/2003	DeGuillebon et al.
6,370,981	B2	4/2002	Watarai	6,578,751	B2	6/2003	Hartwick
6,373,152	B1	4/2002	Wang et al.	6,582,427	B1	6/2003	Goble et al.
6,383,201	B1	5/2002	Dong	6,582,441	B1	6/2003	He et al.
6,383,958	B1	5/2002	Swanson et al.	6,583,533	B2	6/2003	Pelrine et al.
6,387,113	B1	5/2002	Hawkins et al.	6,585,144	B2	7/2003	Adams et al.
6,387,114	B2	5/2002	Adams	6,588,643	B2	7/2003	Bolduc et al.
6,391,038	B2	5/2002	Vargas et al.	6,589,118	B1	7/2003	Soma et al.
6,398,781	B1	6/2002	Goble et al.	6,589,164	B1	7/2003	Flaherty
6,398,797	B2	6/2002	Bombard et al.	6,592,538	B1	7/2003	Hotchkiss et al.
6,402,766	B2	6/2002	Bowman et al.	6,592,597	B2	7/2003	Grant et al.
6,406,440	B1	6/2002	Stefanchik	6,596,296	B1	7/2003	Nelson et al.
6,406,472	B1	6/2002	Jensen	6,596,304	B1	7/2003	Bayon et al.
6,409,724	B1	6/2002	Penny et al.	6,596,432	B2	7/2003	Kawakami et al.
H2037	H	7/2002	Yates et al.	D478,665	S	8/2003	Isaacs et al.
6,413,274	B1	7/2002	Pedros	D478,986	S	8/2003	Johnston et al.
6,416,486	B1	7/2002	Wampler	6,601,749	B2	8/2003	Sullivan et al.
6,416,509	B1	7/2002	Goble et al.	6,602,252	B2	8/2003	Mollenauer
6,419,695	B1	7/2002	Gabbay	6,602,262	B2	8/2003	Griego et al.
6,423,079	B1	7/2002	Blake, III	6,605,078	B2	8/2003	Adams
RE37,814	E	8/2002	Allgeyer	6,605,669	B2	8/2003	Awokola et al.
6,428,070	B1	8/2002	Takanashi et al.	6,607,475	B2	8/2003	Doyle et al.
6,429,611	B1	8/2002	Li	6,613,069	B2	9/2003	Boyd et al.
6,436,097	B1	8/2002	Nardella	6,616,686	B2	9/2003	Coleman et al.
6,436,107	B1	8/2002	Wang et al.	6,619,529	B2	9/2003	Green et al.
6,436,110	B2	8/2002	Bowman et al.	6,620,166	B1	9/2003	Wenstrom, Jr. et al.
6,436,122	B1	8/2002	Frank et al.	6,626,834	B2	9/2003	Dunne et al.

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6,629,630 B2	10/2003	Adams	6,783,524 B2	8/2004	Anderson et al.
6,629,974 B2	10/2003	Penny et al.	6,786,382 B1	9/2004	Hoffman
6,629,988 B2	10/2003	Weadock	6,786,864 B2	9/2004	Matsuura et al.
6,636,412 B2	10/2003	Smith	6,786,896 B1	9/2004	Madhani et al.
6,638,108 B2	10/2003	Tachi	6,790,173 B2	9/2004	Saadat et al.
6,638,285 B2	10/2003	Gabbay	6,793,652 B1	9/2004	Whitman et al.
6,638,297 B1	10/2003	Huitema	6,793,661 B2	9/2004	Hamilton et al.
RE38,335 E	11/2003	Aust et al.	6,793,663 B2	9/2004	Kneifel et al.
6,641,528 B2	11/2003	Torii	6,802,843 B2	10/2004	Truckai et al.
6,644,532 B2	11/2003	Green et al.	6,805,273 B2	10/2004	Bilotti et al.
6,645,201 B1	11/2003	Utley et al.	6,806,808 B1	10/2004	Watters et al.
6,646,307 B1	11/2003	Yu et al.	6,808,525 B2	10/2004	Latterell et al.
6,648,816 B2	11/2003	Irion et al.	6,814,741 B2	11/2004	Bowman et al.
6,652,595 B1	11/2003	Nicolo	6,817,508 B1	11/2004	Racenet et al.
D484,243 S	12/2003	Ryan et al.	6,817,509 B2	11/2004	Geiste et al.
D484,595 S	12/2003	Ryan et al.	6,817,974 B2	11/2004	Cooper et al.
D484,596 S	12/2003	Ryan et al.	6,818,018 B1	11/2004	Sawhney
6,656,177 B2	12/2003	Truckai et al.	6,820,791 B2	11/2004	Adams
6,656,193 B2	12/2003	Grant et al.	6,821,273 B2	11/2004	Mollenauer
6,663,623 B1	12/2003	Oyama et al.	6,821,282 B2	11/2004	Perry et al.
6,663,641 B1	12/2003	Kovac et al.	6,821,284 B2	11/2004	Sturtz et al.
6,666,854 B1	12/2003	Lange	6,827,246 B2	12/2004	Sullivan et al.
6,666,875 B1	12/2003	Sakurai et al.	6,827,712 B2	12/2004	Tovey et al.
6,667,825 B2	12/2003	Lu et al.	6,827,725 B2	12/2004	Batchelor et al.
6,669,073 B2	12/2003	Milliman et al.	6,828,902 B2	12/2004	Casden
6,670,806 B2	12/2003	Wendt et al.	6,830,174 B2	12/2004	Hillstead et al.
6,671,185 B2	12/2003	Duval	6,831,629 B2	12/2004	Nishino et al.
D484,977 S	1/2004	Ryan et al.	6,832,998 B2	12/2004	Goble
6,676,660 B2	1/2004	Wampler et al.	6,834,001 B2	12/2004	Myono
6,679,269 B2	1/2004	Swanson	6,835,173 B2	12/2004	Couvillon, Jr.
6,679,410 B2	1/2004	Wursch et al.	6,835,199 B2	12/2004	McGuckin, Jr. et al.
6,681,978 B2	1/2004	Geiste et al.	6,835,336 B2	12/2004	Watt
6,681,979 B2	1/2004	Whitman	6,837,846 B2	1/2005	Jaffe et al.
6,682,527 B2	1/2004	Strul	6,838,493 B2	1/2005	Williams et al.
6,682,528 B2	1/2004	Frazier et al.	6,840,423 B2	1/2005	Adams et al.
6,685,727 B2	2/2004	Fisher et al.	6,843,403 B2	1/2005	Whitman
6,689,153 B1	2/2004	Skiba	6,843,789 B2	1/2005	Goble
6,692,507 B2	2/2004	Pugsley et al.	6,843,793 B2	1/2005	Brock et al.
6,695,198 B2	2/2004	Adams et al.	6,846,307 B2	1/2005	Whitman et al.
6,695,199 B2	2/2004	Whitman	6,846,308 B2	1/2005	Whitman et al.
6,698,643 B2	3/2004	Whitman	6,846,309 B2	1/2005	Whitman et al.
6,699,235 B2	3/2004	Wallace et al.	6,849,071 B2	2/2005	Whitman et al.
6,704,210 B1	3/2004	Myers	6,850,817 B1	2/2005	Green
6,705,503 B1	3/2004	Pedicini et al.	6,858,005 B2	2/2005	Ohline et al.
6,709,445 B2	3/2004	Boebel et al.	RE38,708 E	3/2005	Bolanos et al.
6,712,773 B1	3/2004	Viola	D502,994 S	3/2005	Blake, III
6,716,223 B2	4/2004	Leopold et al.	6,861,142 B1	3/2005	Wilkie et al.
6,716,232 B1	4/2004	Vidal et al.	6,863,668 B2	3/2005	Gillespie et al.
6,716,233 B1	4/2004	Whitman	6,863,694 B1	3/2005	Boyce et al.
6,722,552 B2	4/2004	Fenton, Jr.	6,866,178 B2	3/2005	Adams et al.
6,723,087 B2	4/2004	O'Neill et al.	6,866,671 B2	3/2005	Tierney et al.
6,723,091 B2	4/2004	Goble et al.	6,867,248 B1	3/2005	Martin et al.
6,723,109 B2	4/2004	Solingen	6,869,435 B2	3/2005	Blake, III
6,726,697 B2	4/2004	Nicholas et al.	6,872,214 B2	3/2005	Sonnenschein et al.
6,729,119 B2	5/2004	Schnipke et al.	6,874,669 B2	4/2005	Adams et al.
6,736,825 B2	5/2004	Blatter et al.	6,877,647 B2	4/2005	Green et al.
6,736,854 B2	5/2004	Vadurro et al.	6,878,106 B1	4/2005	Herrmann
6,740,030 B2	5/2004	Martone et al.	6,889,116 B2	5/2005	Jinno
6,747,121 B2	6/2004	Gogolewski	6,893,435 B2	5/2005	Goble
6,749,560 B1	6/2004	Konstorum et al.	6,899,538 B2	5/2005	Matoba
6,752,768 B2	6/2004	Burdorff et al.	6,905,057 B2	6/2005	Swayze et al.
6,752,816 B2	6/2004	Culp et al.	6,905,497 B2	6/2005	Truckai et al.
6,755,195 B1	6/2004	Lemke et al.	6,908,472 B2	6/2005	Wiener et al.
6,755,338 B2	6/2004	Hahnen et al.	6,911,033 B2	6/2005	de Guillebon et al.
6,758,846 B2	7/2004	Goble et al.	6,913,579 B2	7/2005	Truckai et al.
6,761,685 B2	7/2004	Adams et al.	6,913,608 B2	7/2005	Liddicoat et al.
6,762,339 B1	7/2004	Klun et al.	6,913,613 B2	7/2005	Schwarz et al.
6,767,352 B2	7/2004	Field et al.	6,921,397 B2	7/2005	Corcoran et al.
6,767,356 B2	7/2004	Kanner et al.	6,921,412 B1	7/2005	Black et al.
6,769,590 B2	8/2004	Vresh et al.	6,923,093 B2	8/2005	Ullah
6,769,594 B2	8/2004	Orban, III	6,923,803 B2	8/2005	Goble
6,770,027 B2	8/2004	Banik et al.	6,926,716 B2	8/2005	Baker et al.
6,770,072 B1	8/2004	Truckai et al.	6,929,641 B2	8/2005	Goble et al.
6,773,409 B2	8/2004	Truckai et al.	6,929,644 B2	8/2005	Truckai et al.
6,773,437 B2	8/2004	Ogilvie et al.	6,931,830 B2	8/2005	Liao
6,773,438 B1	8/2004	Knodel et al.	6,932,218 B2	8/2005	Kosann et al.
6,777,838 B2	8/2004	Miekka et al.	6,932,810 B2	8/2005	Ryan
6,780,151 B2	8/2004	Grabover et al.	6,936,042 B2	8/2005	Wallace et al.
6,780,180 B1	8/2004	Goble et al.	D509,297 S	9/2005	Wells

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D509,589 S	9/2005	Wells	7,080,769 B2	7/2006	Vresh et al.
6,939,358 B2	9/2005	Palacios et al.	7,081,114 B2	7/2006	Rashidi
6,942,662 B2	9/2005	Goble et al.	7,083,073 B2	8/2006	Yoshie et al.
6,942,674 B2	9/2005	Belef et al.	7,083,075 B2	8/2006	Swayze et al.
6,945,444 B2	9/2005	Gresham et al.	7,083,571 B2	8/2006	Wang et al.
6,945,981 B2	9/2005	Donofrio et al.	7,083,615 B2	8/2006	Peterson et al.
6,953,138 B1	10/2005	Dworak et al.	7,083,619 B2	8/2006	Truckai et al.
6,953,139 B2	10/2005	Milliman et al.	7,083,620 B2	8/2006	Jahns et al.
6,958,035 B2	10/2005	Friedman et al.	7,087,049 B2	8/2006	Nowlin et al.
6,959,851 B2	11/2005	Heinrich	7,087,054 B2	8/2006	Truckai et al.
6,959,852 B2	11/2005	Shelton, IV et al.	7,087,071 B2	8/2006	Nicholas et al.
6,960,107 B1	11/2005	Schaub et al.	7,090,637 B2	8/2006	Danitz et al.
6,960,163 B2	11/2005	Ewers et al.	7,090,673 B2	8/2006	Dycus et al.
6,960,220 B2	11/2005	Marino et al.	7,090,683 B2	8/2006	Brock et al.
6,964,363 B2	11/2005	Wales et al.	7,090,684 B2	8/2006	McGuckin, Jr. et al.
6,966,907 B2	11/2005	Goble	7,094,202 B2	8/2006	Nobis et al.
6,966,909 B2	11/2005	Marshall et al.	7,094,247 B2	8/2006	Monassevitch et al.
6,971,988 B2	12/2005	Orban, III	7,097,089 B2	8/2006	Marczyk
6,972,199 B2	12/2005	Lebouitz et al.	7,097,644 B2	8/2006	Long
6,974,462 B2	12/2005	Safer	7,097,650 B2	8/2006	Weller et al.
6,978,921 B2	12/2005	Shelton, IV et al.	7,098,794 B2	8/2006	Lindsay et al.
6,978,922 B2	12/2005	Bilotti et al.	7,100,949 B2	9/2006	Williams et al.
6,981,628 B2	1/2006	Wales	7,104,741 B2	9/2006	Krohn
6,981,941 B2	1/2006	Whitman et al.	7,108,695 B2	9/2006	Witt et al.
6,981,978 B2	1/2006	Gannoe	7,108,701 B2	9/2006	Evens et al.
6,981,983 B1	1/2006	Rosenblatt et al.	7,108,709 B2	9/2006	Cummins
6,984,203 B2	1/2006	Tartaglia et al.	7,111,768 B2	9/2006	Cummins et al.
6,984,231 B2	1/2006	Goble et al.	7,111,769 B2	9/2006	Wales et al.
6,986,451 B1	1/2006	Mastri et al.	7,112,214 B2	9/2006	Peterson et al.
6,988,649 B2	1/2006	Shelton, IV et al.	RE39,358 E	10/2006	Goble
6,988,650 B2	1/2006	Schwemberger et al.	7,114,642 B2	10/2006	Whitman
6,990,731 B2	1/2006	Haytayan	7,118,582 B1	10/2006	Wang et al.
6,990,796 B2	1/2006	Schnipke et al.	7,119,534 B2	10/2006	Butzmann
6,994,708 B2	2/2006	Manzo	7,121,446 B2	10/2006	Arad et al.
6,995,729 B2	2/2006	Govari et al.	7,122,028 B2	10/2006	Looper et al.
6,997,931 B2	2/2006	Sauer et al.	7,125,409 B2	10/2006	Truckai et al.
7,000,818 B2	2/2006	Shelton, IV et al.	7,126,303 B2	10/2006	Farritor et al.
7,000,819 B2	2/2006	Swayze et al.	7,128,253 B2	10/2006	Mastri et al.
7,001,380 B2	2/2006	Goble	7,128,254 B2	10/2006	Shelton, IV et al.
7,001,408 B2	2/2006	Knodel et al.	7,128,748 B2	10/2006	Mooradian et al.
7,008,435 B2	3/2006	Cummins	7,131,445 B2	11/2006	Amoah
7,009,039 B2	3/2006	Yayon et al.	7,133,601 B2	11/2006	Phillips et al.
7,011,657 B2	3/2006	Truckai et al.	7,134,587 B2	11/2006	Schwemberger et al.
7,018,357 B2	3/2006	Emmons	7,137,981 B2	11/2006	Long
7,018,390 B2	3/2006	Turovskiy et al.	7,140,527 B2	11/2006	Ehrenfels et al.
7,023,159 B2	4/2006	Gorti et al.	7,140,528 B2	11/2006	Shelton, IV
7,025,743 B2	4/2006	Mann et al.	7,143,923 B2	12/2006	Shelton, IV et al.
7,029,435 B2	4/2006	Nakao	7,143,924 B2	12/2006	Scirica et al.
7,032,798 B2	4/2006	Whitman et al.	7,143,925 B2	12/2006	Shelton, IV et al.
7,032,799 B2	4/2006	Viola et al.	7,143,926 B2	12/2006	Shelton, IV et al.
7,033,356 B2	4/2006	Latterell et al.	7,147,138 B2	12/2006	Shelton, IV
7,036,680 B1	5/2006	Flannery	7,147,139 B2	12/2006	Schwemberger et al.
7,037,344 B2	5/2006	Kagan et al.	7,147,140 B2	12/2006	Wukusick et al.
7,041,102 B2	5/2006	Truckai et al.	7,147,637 B2	12/2006	Goble
7,041,868 B2	5/2006	Greene et al.	7,147,650 B2	12/2006	Lee
7,043,852 B2	5/2006	Hayashida et al.	7,150,748 B2	12/2006	Ebbutt et al.
7,044,352 B2	5/2006	Shelton, IV et al.	7,153,300 B2	12/2006	Goble
7,044,353 B2	5/2006	Mastri et al.	7,156,824 B2	1/2007	Rosenman
7,048,687 B1	5/2006	Reuss et al.	7,156,863 B2	1/2007	Sonnenschein et al.
7,048,745 B2	5/2006	Tierney et al.	7,159,750 B2	1/2007	Racenet et al.
7,052,494 B2	5/2006	Goble et al.	7,160,299 B2	1/2007	Baily
7,052,499 B2	5/2006	Steger et al.	7,161,036 B2	1/2007	Oikawa et al.
7,055,730 B2	6/2006	Ehrenfels et al.	7,168,604 B2	1/2007	Milliman et al.
7,055,731 B2	6/2006	Shelton, IV et al.	7,172,104 B2	2/2007	Scirica et al.
7,056,284 B2	6/2006	Martone et al.	7,172,593 B2	2/2007	Trieu et al.
7,056,330 B2	6/2006	Gayton	7,179,223 B2	2/2007	Motoki et al.
7,059,331 B2	6/2006	Adams et al.	7,179,267 B2	2/2007	Nolan et al.
7,059,508 B2	6/2006	Shelton, IV et al.	7,182,239 B1	2/2007	Myers
7,063,671 B2	6/2006	Couvillon, Jr.	7,182,763 B2	2/2007	Nardella
7,063,712 B2	6/2006	Vargas et al.	7,183,737 B2	2/2007	Kitagawa
7,066,879 B2	6/2006	Fowler et al.	7,188,758 B2	3/2007	Viola et al.
7,066,944 B2	6/2006	Laufer et al.	7,189,207 B2	3/2007	Viola
7,067,038 B2	6/2006	Trokhan et al.	7,195,627 B2	3/2007	Amoah et al.
7,070,083 B2	7/2006	Jankowski	7,199,537 B2	4/2007	Okamura et al.
7,070,559 B2	7/2006	Adams et al.	7,202,653 B2	4/2007	Pai
7,070,597 B2	7/2006	Truckai et al.	7,204,404 B2	4/2007	Nguyen et al.
7,071,287 B2	7/2006	Rhine et al.	7,204,835 B2	4/2007	Latterell et al.
7,075,770 B1	7/2006	Smith	7,207,233 B2	4/2007	Wadge
7,077,856 B2	7/2006	Whitman	7,207,471 B2	4/2007	Heinrich et al.

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7,207,472 B2	4/2007	Wukusick et al.	7,354,502 B2	4/2008	Polat et al.
7,207,556 B2	4/2007	Saitoh et al.	7,357,287 B2	4/2008	Shelton, IV et al.
7,208,005 B2	4/2007	Frecker et al.	7,357,806 B2	4/2008	Rivera et al.
7,210,609 B2	5/2007	Leiboff et al.	7,361,195 B2	4/2008	Schwartz et al.
7,211,081 B2	5/2007	Goble	7,364,060 B2	4/2008	Milliman
7,211,084 B2	5/2007	Goble et al.	7,364,061 B2	4/2008	Swayze et al.
7,211,092 B2	5/2007	Hughett	7,367,973 B2	5/2008	Manzo et al.
7,213,736 B2	5/2007	Wales et al.	7,377,918 B2	5/2008	Amoah
7,214,224 B2	5/2007	Goble	7,377,928 B2	5/2008	Zubik et al.
7,214,232 B2	5/2007	Bowman et al.	7,380,695 B2	6/2008	Doll et al.
7,217,285 B2	5/2007	Vargas et al.	7,380,696 B2	6/2008	Shelton, IV et al.
7,220,260 B2	5/2007	Fleming et al.	7,384,417 B2	6/2008	Cucin
7,220,272 B2	5/2007	Weadock	7,386,730 B2	6/2008	Uchikubo
7,225,963 B2	6/2007	Scirica	7,388,217 B2	6/2008	Buschbeck et al.
7,225,964 B2	6/2007	Mastri et al.	7,391,173 B2	6/2008	Schena
7,234,624 B2	6/2007	Gresham et al.	7,396,356 B2	7/2008	Mollenauer
7,235,089 B1	6/2007	McGuckin, Jr.	7,397,364 B2	7/2008	Govari
7,235,302 B2	6/2007	Jing et al.	7,398,907 B2	7/2008	Racenet et al.
7,237,708 B1	7/2007	Guy et al.	7,398,908 B2	7/2008	Holsten et al.
7,238,195 B2	7/2007	Viola	7,400,752 B2	7/2008	Zacharias
7,241,288 B2	7/2007	Braun	7,401,721 B2	7/2008	Holsten et al.
7,241,289 B2	7/2007	Braun	7,404,508 B2	7/2008	Smith et al.
7,246,734 B2	7/2007	Shelton, IV	7,404,509 B2	7/2008	Ortiz et al.
7,247,161 B2	7/2007	Johnston et al.	7,404,822 B2	7/2008	Viart et al.
7,252,660 B2	8/2007	Kunz	7,407,074 B2	8/2008	Ortiz et al.
7,255,696 B2	8/2007	Goble et al.	7,407,075 B2	8/2008	Holsten et al.
7,256,695 B2	8/2007	Hamel et al.	7,407,076 B2	8/2008	Racenet et al.
7,258,262 B2	8/2007	Mastri et al.	7,407,077 B2	8/2008	Ortiz et al.
7,258,546 B2	8/2007	Beier et al.	7,407,078 B2	8/2008	Shelton, IV et al.
7,260,431 B2	8/2007	Libbus et al.	7,410,086 B2	8/2008	Ortiz et al.
7,265,374 B2	9/2007	Lee et al.	7,413,563 B2	8/2008	Corcoran et al.
7,267,679 B2	9/2007	McGuckin, Jr. et al.	7,416,101 B2	8/2008	Shelton, IV et al.
7,267,682 B1	9/2007	Bender et al.	7,418,078 B2	8/2008	Blanz et al.
7,273,483 B2	9/2007	Wiener et al.	RE40,514 E	9/2008	Mastri et al.
7,278,562 B2	10/2007	Mastri et al.	7,419,080 B2	9/2008	Smith et al.
7,278,563 B1	10/2007	Green	7,419,081 B2	9/2008	Ehrenfels et al.
7,278,949 B2	10/2007	Bader	7,419,321 B2	9/2008	Tereschouk
7,278,994 B2	10/2007	Goble	7,419,495 B2	9/2008	Menn et al.
7,282,048 B2	10/2007	Goble et al.	7,422,136 B1	9/2008	Marczyk
7,286,850 B2	10/2007	Frielink et al.	7,422,138 B2	9/2008	Bilotti et al.
7,287,682 B1	10/2007	Ezzat et al.	7,422,139 B2	9/2008	Shelton, IV et al.
7,289,139 B2	10/2007	Amling et al.	7,424,965 B2	9/2008	Racenet et al.
7,293,685 B2	11/2007	Ehrenfels et al.	7,427,607 B2	9/2008	Suzuki
7,295,907 B2	11/2007	Lu et al.	7,431,188 B1	10/2008	Marczyk
7,296,722 B2	11/2007	Ivanko	7,431,189 B2	10/2008	Shelton, IV et al.
7,296,724 B2	11/2007	Green et al.	7,431,694 B2	10/2008	Stefanchik et al.
7,297,149 B2	11/2007	Vitali et al.	7,431,730 B2	10/2008	Viola
7,300,373 B2	11/2007	Jinno et al.	7,434,715 B2	10/2008	Shelton, IV et al.
7,300,450 B2	11/2007	Vleugels et al.	7,434,717 B2	10/2008	Shelton, IV et al.
7,303,106 B2	12/2007	Milliman et al.	7,438,209 B1	10/2008	Hess et al.
7,303,107 B2	12/2007	Milliman et al.	7,438,718 B2	10/2008	Milliman et al.
7,303,108 B2	12/2007	Shelton, IV	7,439,354 B2	10/2008	Lenges et al.
7,303,502 B2	12/2007	Thompson	7,441,684 B2	10/2008	Shelton, IV et al.
7,303,556 B2	12/2007	Metzger	7,441,685 B1	10/2008	Boudreaux
7,306,597 B2	12/2007	Manzo	7,442,201 B2	10/2008	Pugsley et al.
7,308,998 B2	12/2007	Mastri et al.	7,448,525 B2	11/2008	Shelton, IV et al.
7,322,975 B2	1/2008	Goble et al.	7,451,904 B2	11/2008	Shelton, IV
7,322,994 B2	1/2008	Nicholas et al.	7,455,208 B2	11/2008	Wales et al.
7,324,572 B2	1/2008	Chang	7,455,676 B2	11/2008	Holsten et al.
7,326,203 B2	2/2008	Papineau et al.	7,455,682 B2	11/2008	Viola
7,326,213 B2	2/2008	Benderev et al.	7,461,767 B2	12/2008	Viola et al.
7,328,828 B2	2/2008	Ortiz et al.	7,462,187 B2	12/2008	Johnston et al.
7,328,829 B2	2/2008	Arad et al.	7,464,846 B2	12/2008	Shelton, IV et al.
7,330,004 B2	2/2008	DeJonge et al.	7,464,847 B2	12/2008	Viola et al.
7,331,340 B2	2/2008	Barney	7,464,849 B2	12/2008	Shelton, IV et al.
7,331,969 B1	2/2008	Ingas et al.	7,467,740 B2	12/2008	Shelton, IV et al.
7,334,717 B2	2/2008	Rethy et al.	7,467,849 B2	12/2008	Silverbrook et al.
7,334,718 B2	2/2008	McAlister et al.	7,472,814 B2	1/2009	Mastri et al.
7,335,199 B2	2/2008	Goble et al.	7,472,815 B2	1/2009	Shelton, IV et al.
7,336,048 B2	2/2008	Lohr	7,472,816 B2	1/2009	Holsten et al.
7,336,184 B2	2/2008	Smith et al.	7,473,253 B2	1/2009	Dycus et al.
7,338,513 B2	3/2008	Lee et al.	7,473,263 B2	1/2009	Johnston et al.
7,341,591 B2	3/2008	Grinberg	7,476,237 B2	1/2009	Taniguchi et al.
7,343,920 B2	3/2008	Toby et al.	7,479,608 B2	1/2009	Smith
7,344,532 B2	3/2008	Goble et al.	7,481,347 B2	1/2009	Roy
7,348,763 B1	3/2008	Reinhart et al.	7,481,348 B2	1/2009	Marczyk
RE40,237 E	4/2008	Bilotti et al.	7,481,349 B2	1/2009	Holsten et al.
7,351,258 B2	4/2008	Ricotta et al.	7,481,824 B2	1/2009	Boudreaux et al.
7,354,447 B2	4/2008	Shelton, IV et al.	7,485,133 B2	2/2009	Cannon et al.

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7,485,142 B2	2/2009	Milo	7,651,017 B2	1/2010	Ortiz et al.
7,487,899 B2	2/2009	Shelton, IV et al.	7,651,498 B2	1/2010	Shifrin et al.
7,490,749 B2	2/2009	Schall et al.	7,654,431 B2	2/2010	Hueil et al.
7,494,039 B2	2/2009	Racenet et al.	7,655,288 B2	2/2010	Bauman et al.
7,494,499 B2	2/2009	Nagase et al.	7,656,131 B2	2/2010	Embrey et al.
7,494,501 B2	2/2009	Ahlberg et al.	7,658,311 B2	2/2010	Boudreaux
7,500,979 B2	3/2009	Hueil et al.	7,658,312 B2	2/2010	Vidal et al.
7,501,198 B2	3/2009	Barlev et al.	7,659,219 B2	2/2010	Biran et al.
7,503,474 B2	3/2009	Hillstead et al.	7,662,161 B2	2/2010	Briganti et al.
7,506,790 B2	3/2009	Shelton, IV	7,665,646 B2	2/2010	Prommersberger
7,506,791 B2	3/2009	Omaits et al.	7,665,647 B2	2/2010	Shelton, IV et al.
7,507,202 B2	3/2009	Schoellhorn	7,669,746 B2	3/2010	Shelton, IV
7,510,107 B2	3/2009	Timm et al.	7,669,747 B2	3/2010	Weisenburgh, II et al.
7,510,566 B2	3/2009	Jacobs et al.	7,670,334 B2	3/2010	Hueil et al.
7,513,408 B2	4/2009	Shelton, IV et al.	7,673,780 B2	3/2010	Shelton, IV et al.
7,517,356 B2	4/2009	Heinrich	7,673,781 B2	3/2010	Swayze et al.
7,524,320 B2	4/2009	Tierney et al.	7,673,782 B2	3/2010	Hess et al.
7,530,984 B2	5/2009	Sonnenschein et al.	7,673,783 B2	3/2010	Morgan et al.
7,530,985 B2	5/2009	Takemoto et al.	7,674,253 B2	3/2010	Fisher et al.
7,533,906 B2	5/2009	Luetzgen et al.	7,674,255 B2	3/2010	Braun
7,534,259 B2	5/2009	Lashinski et al.	7,674,263 B2	3/2010	Ryan
7,543,730 B1	6/2009	Marczyk	7,674,270 B2	3/2010	Layer
7,546,939 B2	6/2009	Adams et al.	7,682,307 B2	3/2010	Danitz et al.
7,546,940 B2	6/2009	Milliman et al.	7,682,367 B2	3/2010	Shah et al.
7,547,312 B2	6/2009	Bauman et al.	7,686,201 B2	3/2010	Csiky
7,549,563 B2	6/2009	Mather et al.	7,686,826 B2	3/2010	Lee et al.
7,549,564 B2	6/2009	Boudreaux	7,688,028 B2	3/2010	Phillips et al.
7,549,998 B2	6/2009	Braun	7,691,098 B2	4/2010	Wallace et al.
7,552,854 B2	6/2009	Wixey et al.	7,691,106 B2	4/2010	Schenberger et al.
7,556,185 B2	7/2009	Viola	7,694,865 B2	4/2010	Scirica
7,556,186 B2	7/2009	Milliman	7,695,485 B2	4/2010	Whitman et al.
7,556,647 B2	7/2009	Drews et al.	7,699,204 B2	4/2010	Viola
7,559,449 B2	7/2009	Viola	7,699,835 B2	4/2010	Lee et al.
7,559,450 B2	7/2009	Wales et al.	7,699,844 B2	4/2010	Utley et al.
7,559,452 B2	7/2009	Wales et al.	7,699,846 B2	4/2010	Ryan
7,559,937 B2	7/2009	de la Torre et al.	7,699,856 B2	4/2010	Van Wyk et al.
7,563,862 B2	7/2009	Sieg et al.	7,699,859 B2	4/2010	Bombard et al.
7,565,993 B2	7/2009	Milliman et al.	7,699,860 B2 *	4/2010	Huitema A61B 17/064
7,566,300 B2	7/2009	Devierre et al.			606/158
7,567,045 B2	7/2009	Fristedt	7,703,653 B2	4/2010	Shah et al.
7,568,603 B2	8/2009	Shelton, IV et al.	7,708,180 B2	5/2010	Murray et al.
7,568,604 B2	8/2009	Ehrenfels et al.	7,708,181 B2	5/2010	Cole et al.
7,568,619 B2	8/2009	Todd et al.	7,708,182 B2	5/2010	Viola
7,575,144 B2	8/2009	Ortiz et al.	7,708,758 B2	5/2010	Lee et al.
7,588,174 B2	9/2009	Holsten et al.	7,714,239 B2	5/2010	Smith
7,588,175 B2	9/2009	Timm et al.	7,717,312 B2	5/2010	Beetel
7,588,176 B2	9/2009	Timm et al.	7,717,313 B2	5/2010	Criscuolo et al.
7,588,177 B2	9/2009	Racenet	7,717,846 B2	5/2010	Zirps et al.
7,591,783 B2	9/2009	Boulais et al.	7,718,180 B2	5/2010	Karp
7,597,229 B2	10/2009	Boudreaux et al.	7,718,556 B2	5/2010	Matsuda et al.
7,597,230 B2	10/2009	Racenet et al.	7,721,930 B2	5/2010	McKenna et al.
7,600,663 B2	10/2009	Green	7,721,931 B2	5/2010	Shelton, IV et al.
7,604,150 B2	10/2009	Boudreaux	7,721,933 B2	5/2010	Ehrenfels et al.
7,604,151 B2	10/2009	Hess et al.	7,721,934 B2	5/2010	Shelton, IV et al.
7,607,557 B2	10/2009	Shelton, IV et al.	7,721,936 B2	5/2010	Shalton, IV et al.
7,611,038 B2	11/2009	Racenet et al.	7,722,527 B2	5/2010	Bouchier et al.
7,611,474 B2	11/2009	Hibner et al.	7,722,607 B2	5/2010	Dumbauld et al.
7,615,003 B2	11/2009	Stefanchik et al.	7,722,610 B2	5/2010	Viola et al.
7,615,067 B2	11/2009	Lee et al.	7,726,537 B2	6/2010	Olson et al.
7,617,961 B2	11/2009	Viola	7,726,538 B2	6/2010	Holsten et al.
D605,762 S	12/2009	Nalagatla et al.	7,726,539 B2	6/2010	Holsten et al.
7,624,902 B2	12/2009	Marczyk et al.	7,727,954 B2	6/2010	McKay
7,624,903 B2	12/2009	Green et al.	7,729,742 B2	6/2010	Govari
7,625,370 B2	12/2009	Hart et al.	7,731,072 B2	6/2010	Timm et al.
7,631,793 B2	12/2009	Rethy et al.	7,731,073 B2	6/2010	Wixey et al.
7,631,794 B2	12/2009	Rethy et al.	7,731,724 B2	6/2010	Huitema et al.
7,635,074 B2	12/2009	Olson et al.	7,735,703 B2	6/2010	Morgan et al.
7,637,409 B2	12/2009	Marczyk	7,736,374 B2	6/2010	Vaughan et al.
7,637,410 B2	12/2009	Marczyk	7,738,971 B2	6/2010	Swayze et al.
7,638,958 B2	12/2009	Philipp et al.	7,740,159 B2	6/2010	Shelton, IV et al.
7,641,091 B2	1/2010	Olson et al.	7,743,960 B2	6/2010	Whitman et al.
7,641,092 B2	1/2010	Kruszynski et al.	7,744,624 B2	6/2010	Bettuchi
7,641,093 B2	1/2010	Doll et al.	7,744,627 B2	6/2010	Orban, III et al.
7,641,095 B2	1/2010	Viola	7,744,628 B2	6/2010	Viola
7,644,783 B2	1/2010	Roberts et al.	7,748,587 B2	7/2010	Haramiishi et al.
7,644,848 B2	1/2010	Swayze et al.	7,749,204 B2	7/2010	Dhanaraj et al.
7,645,230 B2	1/2010	Mikkaichi et al.	7,751,870 B2	7/2010	Whitman
7,648,457 B2	1/2010	Stefanchik et al.	7,753,245 B2	7/2010	Boudreaux et al.
7,648,519 B2	1/2010	Lee et al.	7,753,904 B2	7/2010	Shelton, IV et al.

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7,758,612 B2	7/2010	Shipp	7,857,813 B2	12/2010	Schmitz et al.
7,766,207 B2	8/2010	Mather et al.	7,861,906 B2	1/2011	Doll et al.
7,766,209 B2	8/2010	Baxter, III et al.	7,862,579 B2	1/2011	Ortiz et al.
7,766,210 B2	8/2010	Shelton, IV et al.	7,866,525 B2	1/2011	Scirica
7,766,821 B2	8/2010	Brunnen et al.	7,866,527 B2	1/2011	Hall et al.
7,766,894 B2	8/2010	Weitzner et al.	7,866,528 B2	1/2011	Olson et al.
7,770,773 B2	8/2010	Whitman et al.	7,870,989 B2	1/2011	Viola et al.
7,770,774 B2	8/2010	Mastri et al.	7,871,418 B2	1/2011	Thompson et al.
7,770,775 B2	8/2010	Shelton, IV et al.	7,879,070 B2	2/2011	Ortiz et al.
7,770,776 B2	8/2010	Chen et al.	7,883,465 B2	2/2011	Donofrio et al.
7,771,396 B2	8/2010	Stefanchik et al.	7,886,951 B2	2/2011	Hessler
7,772,720 B2	8/2010	McGee et al.	7,886,952 B2	2/2011	Scirica et al.
7,776,037 B2	8/2010	Odom	7,887,530 B2	2/2011	Zemlok et al.
7,776,060 B2	8/2010	Mooradian et al.	7,887,535 B2	2/2011	Lands et al.
7,778,004 B2	8/2010	Nerheim et al.	7,887,563 B2	2/2011	Cummins
7,780,054 B2	8/2010	Wales	7,891,531 B1	2/2011	Ward
7,780,055 B2	8/2010	Scirica et al.	7,891,532 B2	2/2011	Mastri et al.
7,780,663 B2	8/2010	Yates et al.	7,892,245 B2	2/2011	Liddicoat et al.
7,780,685 B2	8/2010	Hunt et al.	7,893,586 B2	2/2011	West et al.
7,784,662 B2	8/2010	Wales et al.	7,896,214 B2	3/2011	Farascioni
7,784,663 B2	8/2010	Shelton, IV	7,896,215 B2	3/2011	Adams et al.
7,789,875 B2	9/2010	Brock et al.	7,896,877 B2	3/2011	Hall et al.
7,789,883 B2	9/2010	Takashino et al.	7,896,895 B2	3/2011	Boudreaux et al.
7,789,889 B2	9/2010	Zubik et al.	7,900,805 B2	3/2011	Shelton, IV et al.
7,793,812 B2	9/2010	Moore et al.	7,905,380 B2	3/2011	Shelton, IV et al.
7,794,475 B2	9/2010	Hess et al.	7,905,381 B2	3/2011	Baxter, III et al.
7,798,386 B2	9/2010	Schall et al.	7,905,889 B2	3/2011	Catanese, III et al.
7,799,039 B2	9/2010	Shelton, IV et al.	7,905,893 B2	3/2011	Kuhns et al.
7,799,044 B2	9/2010	Johnston et al.	7,905,902 B2	3/2011	Huitema et al.
7,799,965 B2	9/2010	Patel et al.	7,909,039 B2	3/2011	Hur
7,803,151 B2	9/2010	Whitman	7,909,191 B2	3/2011	Baker et al.
7,806,871 B2	10/2010	Li et al.	7,909,220 B2	3/2011	Viola
7,806,891 B2	10/2010	Nowlin et al.	7,909,221 B2	3/2011	Viola et al.
7,810,690 B2	10/2010	Bilotti et al.	7,913,891 B2	3/2011	Doll et al.
7,810,691 B2	10/2010	Boyden et al.	7,913,893 B2	3/2011	Mastri et al.
7,810,692 B2	10/2010	Hall et al.	7,914,543 B2	3/2011	Roth et al.
7,810,693 B2	10/2010	Broehl et al.	7,914,551 B2	3/2011	Ortiz et al.
7,815,092 B2	10/2010	Whitman et al.	7,918,230 B2	4/2011	Whitman et al.
7,815,565 B2	10/2010	Stefanchik et al.	7,918,376 B1	4/2011	Knodel et al.
7,819,296 B2	10/2010	Hueil et al.	7,918,377 B2	4/2011	Measamer et al.
7,819,297 B2	10/2010	Doll et al.	7,918,845 B2	4/2011	Saadat et al.
7,819,298 B2	10/2010	Hall et al.	7,918,848 B2	4/2011	Lau et al.
7,819,299 B2	10/2010	Shelton, IV et al.	7,918,867 B2	4/2011	Dana et al.
7,819,884 B2	10/2010	Lee et al.	7,918,873 B2	4/2011	Cummins
7,819,886 B2	10/2010	Whitfield et al.	7,922,061 B2	4/2011	Shelton, IV et al.
7,819,896 B2	10/2010	Racenet	7,922,063 B2	4/2011	Zemlok et al.
7,823,592 B2	11/2010	Bettuchi et al.	7,922,743 B2	4/2011	Heinrich et al.
7,823,760 B2	11/2010	Zemlok et al.	7,926,691 B2	4/2011	Viola et al.
7,824,401 B2	11/2010	Manzo et al.	7,927,328 B2	4/2011	Orszulak et al.
7,824,426 B2	11/2010	Racenet et al.	7,928,281 B2	4/2011	Augustine
7,828,189 B2	11/2010	Holsten et al.	7,931,660 B2	4/2011	Aranyi et al.
7,828,794 B2	11/2010	Sartor	7,931,695 B2	4/2011	Ringeisen
7,828,808 B2	11/2010	Hinman et al.	7,934,630 B2	5/2011	Shelton, IV et al.
7,832,408 B2	11/2010	Shelton, IV et al.	7,934,631 B2	5/2011	Balbierz et al.
7,832,611 B2	11/2010	Boyden et al.	7,935,773 B2	5/2011	Hadba et al.
7,832,612 B2	11/2010	Baxter, III et al.	7,938,307 B2	5/2011	Bettuchi
7,833,234 B2	11/2010	Bailly et al.	7,941,865 B2	5/2011	Seman, Jr. et al.
7,836,400 B2	11/2010	May et al.	7,942,301 B2	5/2011	Safer
7,837,079 B2	11/2010	Holsten et al.	7,942,303 B2	5/2011	Shah
7,837,080 B2	11/2010	Schwemberger	7,942,890 B2	5/2011	D'Agostino et al.
7,837,081 B2	11/2010	Holsten et al.	7,944,175 B2	5/2011	Mori et al.
7,837,694 B2	11/2010	Tethrake et al.	7,946,453 B2	5/2011	Voegelé et al.
7,838,789 B2	11/2010	Stotters et al.	7,950,560 B2	5/2011	Zemlok et al.
7,841,503 B2	11/2010	Sonnenschein et al.	7,950,561 B2	5/2011	Aranyi
7,842,025 B2	11/2010	Coleman et al.	7,951,071 B2	5/2011	Whitman et al.
7,842,028 B2	11/2010	Lee	7,951,166 B2	5/2011	Orban, III et al.
7,845,533 B2	12/2010	Marczyk et al.	7,954,682 B2	6/2011	Giordano et al.
7,845,534 B2	12/2010	Viola et al.	7,954,684 B2	6/2011	Boudreaux
7,845,535 B2	12/2010	Scirica	7,954,686 B2	6/2011	Baxter, III et al.
7,845,536 B2	12/2010	Viola et al.	7,954,687 B2	6/2011	Zemlok et al.
7,845,537 B2	12/2010	Shelton, IV et al.	7,954,688 B2	6/2011	Argentine et al.
7,846,149 B2	12/2010	Jankowski	7,955,257 B2	6/2011	Frasier et al.
7,850,623 B2	12/2010	Griffin et al.	7,959,050 B2	6/2011	Smith et al.
7,850,642 B2	12/2010	Moll et al.	7,959,051 B2	6/2011	Smith et al.
7,850,982 B2	12/2010	Stopek et al.	7,959,052 B2	6/2011	Sonnenschein et al.
7,854,736 B2	12/2010	Ryan	7,963,432 B2	6/2011	Knodel et al.
7,857,183 B2	12/2010	Shelton, IV	7,963,433 B2	6/2011	Whitman et al.
7,857,185 B2	12/2010	Swayze et al.	7,963,963 B2	6/2011	Francischelli et al.
7,857,186 B2	12/2010	Baxter, III et al.	7,963,964 B2	6/2011	Santilli et al.

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7,966,799 B2	6/2011	Morgan et al.	8,085,013 B2	12/2011	Wei et al.
7,967,178 B2	6/2011	Scirica et al.	8,087,563 B2	1/2012	Milliman et al.
7,967,179 B2	6/2011	Olson et al.	8,091,756 B2	1/2012	Viola
7,967,180 B2	6/2011	Scirica	8,092,443 B2	1/2012	Bischoff
7,967,181 B2	6/2011	Viola et al.	8,092,932 B2	1/2012	Phillips et al.
7,967,839 B2	6/2011	Flock et al.	8,096,458 B2	1/2012	Hessler
7,972,298 B2	7/2011	Wallace et al.	8,096,459 B2	1/2012	Ortiz et al.
7,976,563 B2	7/2011	Summerer	8,097,017 B2	1/2012	Viola
7,980,443 B2	7/2011	Scheib et al.	8,100,310 B2	1/2012	Zemlok
7,988,015 B2	8/2011	Mason, II et al.	8,100,872 B2	1/2012	Patel
7,988,026 B2	8/2011	Knodel et al.	8,102,278 B2	1/2012	Deck et al.
7,988,027 B2	8/2011	Olson et al.	8,105,350 B2	1/2012	Lee et al.
7,988,028 B2	8/2011	Farascioni et al.	8,108,072 B2	1/2012	Zhao et al.
7,988,779 B2	8/2011	Disalvo et al.	8,109,426 B2	2/2012	Milliman et al.
7,992,757 B2	8/2011	Wheeler et al.	8,110,208 B1	2/2012	Hen
7,993,360 B2	8/2011	Hacker et al.	8,113,405 B2	2/2012	Milliman
7,997,468 B2	8/2011	Farascioni	8,113,410 B2	2/2012	Hall et al.
7,997,469 B2	8/2011	Olson et al.	8,114,100 B2	2/2012	Smith et al.
8,002,696 B2	8/2011	Suzuki	8,123,103 B2	2/2012	Milliman
8,002,784 B2	8/2011	Jinno et al.	8,123,766 B2	2/2012	Bauman et al.
8,002,785 B2	8/2011	Weiss et al.	8,123,767 B2	2/2012	Bauman et al.
8,002,795 B2	8/2011	Beetel	8,127,975 B2	3/2012	Olson et al.
8,006,365 B2	8/2011	Levin et al.	8,127,976 B2	3/2012	Scirica et al.
8,006,885 B2	8/2011	Marczyk	8,128,624 B2	3/2012	Couture et al.
8,006,889 B2	8/2011	Adams et al.	8,128,643 B2	3/2012	Aranyi et al.
8,007,511 B2	8/2011	Brock et al.	8,128,645 B2	3/2012	Sonnenschein et al.
8,007,513 B2	8/2011	Nalagatla et al.	8,132,703 B2	3/2012	Milliman et al.
8,011,550 B2	9/2011	Aranyi et al.	8,132,706 B2	3/2012	Marczyk et al.
8,011,551 B2	9/2011	Marczyk et al.	8,136,712 B2	3/2012	Zingman
8,011,553 B2	9/2011	Mastri et al.	8,136,713 B2	3/2012	Hathaway et al.
8,011,555 B2	9/2011	Tarinelli et al.	8,140,417 B2	3/2012	Shibata
8,012,170 B2	9/2011	Whitman et al.	8,141,762 B2	3/2012	Bedi et al.
8,016,176 B2	9/2011	Kasvikis et al.	8,141,763 B2	3/2012	Milliman
8,016,177 B2	9/2011	Bettuchi et al.	8,146,790 B2	4/2012	Milliman
8,016,178 B2	9/2011	Olson et al.	8,147,485 B2	4/2012	Wham et al.
8,016,849 B2	9/2011	Wenchell	8,152,041 B2	4/2012	Kostrzewski
8,016,855 B2	9/2011	Whitman et al.	8,157,145 B2	4/2012	Shelton, IV et al.
8,016,858 B2	9/2011	Whitman	8,157,148 B2	4/2012	Scirica
8,016,881 B2	9/2011	Furst	8,157,151 B2	4/2012	Ingmanson et al.
8,020,742 B2	9/2011	Marczyk	8,157,152 B2	4/2012	Holsten et al.
8,020,743 B2	9/2011	Shelton, IV	8,157,153 B2	4/2012	Shelton, IV et al.
8,021,375 B2	9/2011	Aldrich et al.	8,157,793 B2	4/2012	Omori et al.
8,021,377 B2	9/2011	Eskuri	8,161,977 B2	4/2012	Shelton, IV et al.
8,025,199 B2	9/2011	Whitman et al.	8,162,138 B2	4/2012	Bettenhausen et al.
8,028,883 B2	10/2011	Stope	8,162,197 B2	4/2012	Mastri et al.
8,028,884 B2	10/2011	Sniffin et al.	8,167,185 B2	5/2012	Shelton, IV et al.
8,028,885 B2	10/2011	Smith et al.	8,167,895 B2	5/2012	D'Agostino et al.
8,033,438 B2	10/2011	Scirica	8,167,898 B1	5/2012	Schaller et al.
8,033,442 B2	10/2011	Racenet et al.	8,170,241 B2	5/2012	Roe et al.
8,034,077 B2	10/2011	Smith et al.	8,172,120 B2	5/2012	Boyden et al.
8,034,363 B2	10/2011	Li et al.	8,172,122 B2	5/2012	Kasvikis et al.
8,035,487 B2	10/2011	Malackowski	8,172,124 B2	5/2012	Shelton, IV et al.
8,037,591 B2	10/2011	Spivey et al.	8,177,797 B2	5/2012	Shimoji et al.
8,038,045 B2	10/2011	Bettuchi et al.	8,180,458 B2	5/2012	Kane et al.
8,038,046 B2	10/2011	Smith et al.	8,181,840 B2	5/2012	Milliman
8,038,686 B2	10/2011	Huitema et al.	8,186,555 B2	5/2012	Shelton, IV et al.
8,043,207 B2	10/2011	Adams	8,186,556 B2	5/2012	Viola
8,043,328 B2	10/2011	Hahnen et al.	8,186,560 B2	5/2012	Hess et al.
8,047,236 B2	11/2011	Perry	8,191,752 B2	6/2012	Scirica
8,048,503 B2	11/2011	Farnsworth et al.	8,192,460 B2	6/2012	Orban, III et al.
8,056,787 B2	11/2011	Boudreaux et al.	8,196,795 B2	6/2012	Moore et al.
8,056,788 B2	11/2011	Mastri et al.	8,196,796 B2	6/2012	Shelton, IV et al.
8,056,789 B1	11/2011	White et al.	8,201,720 B2	6/2012	Hessler
8,057,508 B2	11/2011	Shelton, IV	8,201,721 B2	6/2012	Zemlok et al.
8,058,771 B2	11/2011	Giordano et al.	8,202,549 B2	6/2012	Stucky et al.
8,061,576 B2	11/2011	Cappola	8,205,779 B2	6/2012	Ma et al.
8,062,330 B2	11/2011	Prommersberger et al.	8,205,780 B2	6/2012	Sorrentino et al.
8,066,167 B2	11/2011	Measamer et al.	8,205,781 B2	6/2012	Baxter, III et al.
8,066,168 B2	11/2011	Vidal et al.	8,206,291 B2	6/2012	Fischvogt et al.
D650,074 S	12/2011	Hunt et al.	8,210,411 B2	7/2012	Yates et al.
8,070,033 B2	12/2011	Milliman et al.	8,210,414 B2	7/2012	Bettuchi et al.
8,070,035 B2	12/2011	Holsten et al.	8,210,415 B2	7/2012	Ward
8,070,036 B1	12/2011	Knodel	8,210,416 B2	7/2012	Milliman et al.
8,070,743 B2	12/2011	Kagan et al.	8,211,123 B2	7/2012	Gross et al.
8,075,571 B2	12/2011	Vitali et al.	8,211,125 B2	7/2012	Spivey
8,083,118 B2	12/2011	Milliman et al.	8,214,019 B2	7/2012	Govari et al.
8,083,119 B2	12/2011	Prommersberger	8,215,531 B2	7/2012	Shelton, IV et al.
8,083,120 B2	12/2011	Shelton, IV et al.	8,215,533 B2	7/2012	Viola et al.
8,084,001 B2	12/2011	Burns et al.	8,220,468 B2	7/2012	Cooper et al.

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8,220,688 B2	7/2012	Laurent et al.	8,333,313 B2	12/2012	Boudreaux et al.
8,220,690 B2	7/2012	Hess et al.	8,333,691 B2	12/2012	Schaaf
8,221,424 B2	7/2012	Cha	8,333,764 B2	12/2012	Francischelli et al.
8,225,799 B2	7/2012	Bettuchi	8,336,753 B2	12/2012	Olson et al.
8,225,980 B1	7/2012	Rivera	8,336,754 B2	12/2012	Cappola et al.
8,226,715 B2	7/2012	Hwang et al.	8,342,377 B2	1/2013	Milliman et al.
8,227,946 B2	7/2012	Kim	8,342,378 B2	1/2013	Marczyk et al.
8,231,040 B2	7/2012	Zemlok et al.	8,342,379 B2	1/2013	Whitman et al.
8,231,042 B2	7/2012	Hessler et al.	8,348,123 B2	1/2013	Scirica et al.
8,231,043 B2	7/2012	Tarinelli et al.	8,348,125 B2	1/2013	Viola et al.
8,236,010 B2	8/2012	Ortiz et al.	8,348,126 B2	1/2013	Olson et al.
8,241,271 B2	8/2012	Millman et al.	8,348,127 B2	1/2013	Marczyk
8,241,308 B2	8/2012	Kortenbach et al.	8,348,129 B2	1/2013	Bedi et al.
8,241,322 B2	8/2012	Whitman et al.	8,348,130 B2	1/2013	Shah et al.
8,245,594 B2	8/2012	Rogers et al.	8,348,131 B2	1/2013	Omaits et al.
8,245,898 B2	8/2012	Smith et al.	8,348,972 B2	1/2013	Soltz et al.
8,245,899 B2	8/2012	Swensgard et al.	8,353,437 B2	1/2013	Boudreaux
8,245,900 B2	8/2012	Scirica	8,353,438 B2	1/2013	Baxter, III et al.
8,245,901 B2	8/2012	Stope	8,353,439 B2	1/2013	Baxter, III et al.
8,246,637 B2	8/2012	Viola et al.	8,356,740 B1	1/2013	Knodel
8,256,654 B2	9/2012	Bettuchi et al.	8,357,144 B2	1/2013	Whitman et al.
8,256,655 B2	9/2012	Sniffin et al.	8,360,296 B2	1/2013	Zingman
8,256,656 B2	9/2012	Milliman et al.	8,360,297 B2	1/2013	Shelton, IV et al.
8,257,251 B2	9/2012	Shelton, IV et al.	8,360,298 B2	1/2013	Farascioni et al.
8,257,356 B2	9/2012	Bleich et al.	8,360,299 B2	1/2013	Zemlok et al.
8,257,391 B2	9/2012	Orban, III et al.	8,361,501 B2	1/2013	DiTizio et al.
8,257,634 B2	9/2012	Scirica	8,365,973 B1	2/2013	White et al.
8,261,958 B1	9/2012	Knodel	8,365,975 B1	2/2013	Manoux et al.
8,262,655 B2	9/2012	Ghabrial et al.	8,365,976 B2	2/2013	Hess et al.
8,267,300 B2	9/2012	Boudreaux	8,366,559 B2	2/2013	Papenfuss et al.
8,267,924 B2	9/2012	Zemlok et al.	8,366,787 B2	2/2013	Brown et al.
8,267,946 B2	9/2012	Whitfield et al.	8,371,491 B2	2/2013	Huitema et al.
8,267,951 B2	9/2012	Whayne et al.	8,371,492 B2	2/2013	Aranyi et al.
8,269,121 B2	9/2012	Smith	8,371,493 B2	2/2013	Aranyi et al.
8,272,553 B2	9/2012	Mastri et al.	8,372,094 B2	2/2013	Bettuchi et al.
8,272,554 B2	9/2012	Whitman et al.	8,376,865 B2	2/2013	Forster et al.
8,272,918 B2	9/2012	Lam	8,377,029 B2	2/2013	Nagao et al.
8,273,404 B2	9/2012	Dave et al.	8,377,044 B2	2/2013	Coe et al.
8,276,801 B2	10/2012	Zemlok et al.	8,382,761 B2	2/2013	Holsten et al.
8,276,802 B2	10/2012	Kostrzewski	8,387,848 B2	3/2013	Johnson et al.
8,281,973 B2	10/2012	Wenchell et al.	8,388,633 B2	3/2013	Rousseau et al.
8,281,974 B2	10/2012	Hessler et al.	8,393,513 B2	3/2013	Jankowski
8,285,367 B2	10/2012	Hyde et al.	8,393,514 B2	3/2013	Shelton, IV et al.
8,286,845 B2	10/2012	Perry et al.	8,393,516 B2	3/2013	Kostrzewski
8,286,846 B2	10/2012	Smith et al.	8,397,971 B2	3/2013	Yates et al.
8,287,561 B2	10/2012	Nunez et al.	8,397,973 B1	3/2013	Hausen
8,292,147 B2	10/2012	Viola	8,398,633 B2	3/2013	Mueller
8,292,150 B2	10/2012	Bryant	8,398,673 B2	3/2013	Hinchliffe et al.
8,292,151 B2	10/2012	Viola	8,403,138 B2	3/2013	Weissaupt et al.
8,292,152 B2	10/2012	Milliman et al.	8,403,197 B2	3/2013	Vidal et al.
8,292,155 B2	10/2012	Shelton, IV et al.	8,403,198 B2	3/2013	Sorrentino et al.
8,292,157 B2	10/2012	Smith et al.	8,403,945 B2	3/2013	Whitfield et al.
8,292,888 B2	10/2012	Whitman	8,403,950 B2	3/2013	Palmer et al.
8,298,161 B2	10/2012	Vargas	8,408,439 B2	4/2013	Huang et al.
8,298,677 B2	10/2012	Wiesner et al.	8,408,442 B2	4/2013	Racenet et al.
8,302,323 B2	11/2012	Fortier et al.	8,409,079 B2	4/2013	Okamoto et al.
8,308,040 B2	11/2012	Huang et al.	8,409,174 B2	4/2013	Omori
8,308,042 B2	11/2012	Aranyi	8,409,222 B2	4/2013	Whitfield et al.
8,308,043 B2	11/2012	Bindra et al.	8,409,223 B2	4/2013	Sorrentino et al.
8,308,046 B2	11/2012	Prommersberger	8,413,870 B2	4/2013	Pastorelli et al.
8,308,659 B2	11/2012	Scheibe et al.	8,413,871 B2	4/2013	Racenet et al.
8,313,496 B2	11/2012	Sauer et al.	8,413,872 B2	4/2013	Patel
8,313,509 B2	11/2012	Kostrzewski	8,414,577 B2	4/2013	Boudreaux et al.
8,317,070 B2	11/2012	Hueil et al.	8,418,908 B1	4/2013	Beardsley
8,317,071 B1	11/2012	Knodel	8,418,909 B2	4/2013	Kostrzewski
8,317,074 B2	11/2012	Ortiz et al.	8,424,737 B2	4/2013	Scirica
8,317,790 B2	11/2012	Bell et al.	8,424,739 B2	4/2013	Racenet et al.
8,319,002 B2	11/2012	Daniels et al.	8,424,740 B2	4/2013	Shelton, IV et al.
8,322,455 B2	12/2012	Shelton, IV et al.	8,424,741 B2	4/2013	McGuckin, Jr. et al.
8,322,589 B2	12/2012	Boudreaux	8,425,600 B2	4/2013	Maxwell
8,322,590 B2	12/2012	Patel et al.	8,430,292 B2	4/2013	Patel et al.
8,323,314 B2	12/2012	Blier	8,430,892 B2	4/2013	Bindra et al.
8,323,789 B2	12/2012	Rozhin et al.	8,430,898 B2	4/2013	Wiener et al.
8,328,061 B2	12/2012	Kasvikis	8,439,246 B1	5/2013	Knodel
8,328,062 B2	12/2012	Viola	8,444,036 B2	5/2013	Shelton, IV
8,328,063 B2	12/2012	Milliman et al.	8,444,100 B2	5/2013	Takahashi et al.
8,328,064 B2	12/2012	Racenet et al.	8,444,549 B2	5/2013	Viola et al.
8,328,802 B2	12/2012	Deville et al.	8,453,904 B2	6/2013	Eskaros et al.
8,328,823 B2	12/2012	Aranyi et al.	8,453,906 B2	6/2013	Huang et al.

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8,453,907 B2	6/2013	Laurent et al.	8,579,176 B2	11/2013	Smith et al.
8,453,908 B2	6/2013	Bedi et al.	8,579,178 B2	11/2013	Holsten et al.
8,453,912 B2	6/2013	Mastri et al.	8,579,937 B2	11/2013	Gresham
8,453,914 B2	6/2013	Laurent et al.	8,579,938 B2	11/2013	Heinrich et al.
8,454,628 B2	6/2013	Smith et al.	8,584,919 B2	11/2013	Hueil et al.
8,454,640 B2	6/2013	Johnston et al.	8,585,721 B2	11/2013	Kirsch
8,457,757 B2	6/2013	Cauller et al.	8,590,760 B2	11/2013	Cummins et al.
8,459,520 B2	6/2013	Giordano et al.	8,590,762 B2	11/2013	Hess et al.
8,459,525 B2	6/2013	Yates et al.	8,590,764 B2	11/2013	Hartwick et al.
8,464,922 B2	6/2013	Marczyk	8,596,515 B2	12/2013	Okoniewski
8,464,923 B2	6/2013	Shelton, IV	8,602,287 B2	12/2013	Yates et al.
8,464,924 B2	6/2013	Gresham et al.	8,602,288 B2	12/2013	Shelton, IV et al.
8,464,925 B2	6/2013	Hull et al.	8,603,135 B2	12/2013	Mueller
8,465,502 B2	6/2013	Zergiebel	8,608,043 B2	12/2013	Scirica
8,469,973 B2	6/2013	Meade et al.	8,608,044 B2	12/2013	Hueil et al.
8,470,355 B2	6/2013	Skalla et al.	8,608,045 B2	12/2013	Smith et al.
8,474,677 B2	7/2013	Woodard, Jr. et al.	8,608,046 B2	12/2013	Laurent et al.
8,475,453 B2	7/2013	Marczyk et al.	8,608,745 B2	12/2013	Guzman et al.
8,475,454 B1	7/2013	Alshemari	8,613,383 B2	12/2013	Beckman et al.
8,475,474 B2	7/2013	Bombard et al.	8,613,384 B2	12/2013	Pastorelli et al.
8,475,491 B2	7/2013	Milo	8,616,431 B2	12/2013	Timm et al.
8,479,969 B2	7/2013	Shelton, IV	8,622,274 B2	1/2014	Yates et al.
8,480,703 B2	7/2013	Nicholas et al.	8,622,275 B2	1/2014	Baxter, III et al.
8,485,412 B2	7/2013	Shelton, IV et al.	8,627,993 B2	1/2014	Smith et al.
8,485,413 B2	7/2013	Scheib et al.	8,627,995 B2	1/2014	Smith et al.
8,490,853 B2	7/2013	Criscuolo et al.	8,628,518 B2	1/2014	Blumenkranz et al.
8,491,603 B2	7/2013	Yeung et al.	8,628,544 B2	1/2014	Farascioni
8,496,153 B2	7/2013	Demmy et al.	8,631,987 B2	1/2014	Shelton, IV et al.
8,496,154 B2	7/2013	Marczyk et al.	8,631,992 B1	1/2014	Hausen et al.
8,496,155 B2	7/2013	Knodel	8,631,993 B2	1/2014	Kostrzewski
8,496,156 B2	7/2013	Sniffin et al.	8,632,462 B2	1/2014	Yoo et al.
8,496,683 B2	7/2013	Prommersberger et al.	8,632,525 B2	1/2014	Kerr et al.
8,499,992 B2	8/2013	Whitman et al.	8,632,535 B2	1/2014	Shelton, IV et al.
8,499,993 B2	8/2013	Shelton, IV et al.	8,632,563 B2	1/2014	Nagase et al.
8,500,762 B2	8/2013	Sholev et al.	8,636,187 B2	1/2014	Hueil et al.
8,505,227 B2	8/2013	Barrett et al.	8,636,191 B2	1/2014	Meagher
8,506,555 B2	8/2013	Ruiz Morales	8,636,193 B2	1/2014	Whitman et al.
8,506,557 B2	8/2013	Zemlok et al.	8,636,736 B2	1/2014	Yates et al.
8,506,580 B2	8/2013	Zergiebel et al.	8,636,766 B2	1/2014	Milliman et al.
8,506,581 B2	8/2013	Wingardner, III et al.	8,640,788 B2	2/2014	Dachs, II et al.
8,512,359 B2	8/2013	Whitman et al.	8,646,674 B2	2/2014	Schulte et al.
8,517,239 B2	8/2013	Scheib et al.	8,647,258 B2	2/2014	Aranyi et al.
8,517,241 B2	8/2013	Nicholas et al.	8,647,350 B2	2/2014	Mohan et al.
8,517,243 B2	8/2013	Giordano et al.	8,652,120 B2	2/2014	Giordano et al.
8,517,244 B2	8/2013	Shelton, IV et al.	8,652,151 B2	2/2014	Lehman et al.
8,521,273 B2	8/2013	Kliman	8,657,174 B2	2/2014	Yates et al.
8,523,042 B2	9/2013	Masiakos et al.	8,657,176 B2	2/2014	Shelton, IV et al.
8,523,043 B2	9/2013	Ullrich et al.	8,657,177 B2	2/2014	Scirica et al.
8,523,881 B2	9/2013	Cabiri et al.	8,657,178 B2	2/2014	Hueil et al.
8,523,900 B2	9/2013	Jinno et al.	8,657,814 B2	2/2014	Werneth et al.
8,529,588 B2	9/2013	Ahlberg et al.	8,662,370 B2	3/2014	Takei
8,529,600 B2	9/2013	Woodard, Jr. et al.	8,663,192 B2	3/2014	Hester et al.
8,529,819 B2	9/2013	Ostapoff et al.	8,663,224 B2	3/2014	Res et al.
8,532,747 B2	9/2013	Nock et al.	8,664,792 B2	3/2014	Rebsdorf
8,534,528 B2	9/2013	Shelton, IV	8,668,129 B2	3/2014	Olson
8,535,304 B2	9/2013	Sklar et al.	8,668,130 B2	3/2014	Hess et al.
8,540,128 B2	9/2013	Shelton, IV et al.	8,672,206 B2	3/2014	Aranyi et al.
8,540,129 B2	9/2013	Baxter, III et al.	8,672,207 B2	3/2014	Shelton, IV et al.
8,540,130 B2	9/2013	Moore et al.	8,672,208 B2	3/2014	Hess et al.
8,540,131 B2	9/2013	Swayze	8,672,951 B2	3/2014	Smith et al.
8,540,133 B2	9/2013	Bedi et al.	8,678,263 B2	3/2014	Viola
8,540,733 B2	9/2013	Whitman et al.	8,679,093 B2	3/2014	Farra
8,540,735 B2	9/2013	Mitelberg et al.	8,679,137 B2	3/2014	Bauman et al.
8,550,984 B2	10/2013	Takemoto	8,679,154 B2	3/2014	Smith et al.
8,551,076 B2	10/2013	Duval et al.	8,679,156 B2	3/2014	Smith et al.
8,556,151 B2	10/2013	Viola	8,679,454 B2	3/2014	Guire et al.
8,556,918 B2	10/2013	Bauman et al.	8,684,250 B2	4/2014	Bettuchi et al.
8,556,920 B2 *	10/2013	Huitema A61B 17/064 606/158	8,684,253 B2	4/2014	Giordano et al.
8,556,935 B1	10/2013	Knodel et al.	8,685,020 B2	4/2014	Weizman et al.
8,561,870 B2	10/2013	Baxter, III et al.	8,695,866 B2	4/2014	Leimbach et al.
8,561,873 B2	10/2013	Ingmanson et al.	8,696,665 B2	4/2014	Hunt et al.
8,567,656 B2	10/2013	Shelton, IV et al.	8,701,958 B2	4/2014	Shelton, IV et al.
8,568,425 B2	10/2013	Ross et al.	8,701,959 B2	4/2014	Shah
8,573,459 B2	11/2013	Smith et al.	8,701,960 B1	4/2014	Manoux et al.
8,573,461 B2	11/2013	Shelton, IV et al.	8,708,210 B2	4/2014	Zemlok et al.
8,573,462 B2	11/2013	Smith et al.	8,708,211 B2	4/2014	Zemlok et al.
8,573,465 B2	11/2013	Shelton, IV	8,708,213 B2	4/2014	Shelton, IV et al.
8,574,263 B2	11/2013	Mueller	8,714,429 B2	5/2014	Demmy
			8,715,226 B2	5/2014	Webster et al.

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8,720,766 B2	5/2014	Hess et al.	8,840,603 B2	9/2014	Shelton, IV et al.
8,721,630 B2	5/2014	Ortiz et al.	8,840,609 B2	9/2014	Stuebe
8,721,646 B2	5/2014	Fox	8,844,789 B2	9/2014	Shelton, IV et al.
8,721,666 B2	5/2014	Schroeder et al.	8,851,354 B2	10/2014	Swensgard et al.
8,727,197 B2	5/2014	Hess et al.	8,852,185 B2	10/2014	Twomey
8,728,119 B2	5/2014	Cummins	8,852,199 B2	10/2014	Deslauriers et al.
8,728,120 B2	5/2014	Blier	8,857,693 B2	10/2014	Schuckmann et al.
8,733,612 B2	5/2014	Ma	8,857,694 B2	10/2014	Shelton, IV et al.
8,733,613 B2	5/2014	Huitema et al.	8,858,538 B2	10/2014	Belson et al.
8,733,614 B2	5/2014	Ross et al.	8,858,571 B2	10/2014	Shelton, IV et al.
8,734,478 B2	5/2014	Widenhouse et al.	8,858,590 B2	10/2014	Shelton, IV et al.
D706,927 S	6/2014	Cheney et al.	8,864,007 B2	10/2014	Widenhouse et al.
8,740,034 B2	6/2014	Morgan et al.	8,864,009 B2	10/2014	Shelton, IV et al.
8,740,037 B2	6/2014	Shelton, IV et al.	8,870,049 B2	10/2014	Amid et al.
8,740,038 B2	6/2014	Shelton, IV et al.	8,870,050 B2	10/2014	Hodgkinson
8,746,529 B2	6/2014	Shelton, IV et al.	8,870,912 B2	10/2014	Brisson et al.
8,746,530 B2	6/2014	Giordano et al.	8,875,971 B2	11/2014	Hall et al.
8,746,533 B2	6/2014	Whitman et al.	8,875,972 B2	11/2014	Weisenburgh, II et al.
8,746,535 B2	6/2014	Shelton, IV et al.	8,876,857 B2	11/2014	Burbank
8,747,238 B2	6/2014	Shelton, IV et al.	8,876,858 B2	11/2014	Braun
8,752,264 B2	6/2014	Ackley et al.	8,888,792 B2	11/2014	Harris et al.
8,752,699 B2	6/2014	Morgan et al.	8,893,946 B2	11/2014	Boudreaux et al.
8,752,747 B2	6/2014	Shelton, IV et al.	8,893,949 B2	11/2014	Shelton, IV et al.
8,752,749 B2	6/2014	Moore et al.	8,894,647 B2	11/2014	Beardsley et al.
8,757,287 B2	6/2014	Mak	8,899,462 B2	12/2014	Kostrzewski et al.
8,757,465 B2	6/2014	Woodard, Jr. et al.	8,899,463 B2	12/2014	Schall et al.
8,757,467 B2	6/2014	Racenet et al.	8,899,464 B2	12/2014	Hueil et al.
8,758,235 B2	6/2014	Jaworek	8,899,465 B2	12/2014	Shelton, IV et al.
8,758,366 B2	6/2014	McLean et al.	8,899,466 B2	12/2014	Baxter, III et al.
8,758,391 B2	6/2014	Swayze et al.	8,905,287 B2	12/2014	Racenet et al.
8,758,438 B2	6/2014	Boyce et al.	8,905,977 B2	12/2014	Shelton et al.
8,763,875 B2	7/2014	Morgan et al.	8,911,426 B2	12/2014	Coppeta et al.
8,763,877 B2	7/2014	Schall et al.	8,911,471 B2	12/2014	Spivey et al.
8,763,879 B2	7/2014	Shelton, IV et al.	8,920,433 B2	12/2014	Barrier et al.
8,770,458 B2	7/2014	Scirica	8,920,435 B2	12/2014	Smith et al.
8,770,459 B2	7/2014	Racenet et al.	8,920,438 B2	12/2014	Aranyi et al.
8,770,460 B2	7/2014	Belzer	8,920,443 B2	12/2014	Hiles et al.
8,771,169 B2	7/2014	Whitman et al.	8,920,444 B2	12/2014	Hiles et al.
8,771,312 B1	7/2014	Knodel et al.	8,925,782 B2	1/2015	Shelton, IV
8,777,004 B2	7/2014	Shelton, IV et al.	8,925,783 B2	1/2015	Zemlok et al.
8,783,541 B2	7/2014	Shelton, IV et al.	8,925,788 B2	1/2015	Hess et al.
8,783,542 B2	7/2014	Riestenberg et al.	8,926,598 B2	1/2015	Mollere et al.
8,783,543 B2	7/2014	Shelton, IV et al.	8,931,682 B2	1/2015	Timm et al.
8,784,304 B2	7/2014	Mikkaichi et al.	8,936,614 B2	1/2015	Allen, IV
8,784,404 B2	7/2014	Doyle et al.	8,939,343 B2	1/2015	Milliman et al.
8,784,415 B2	7/2014	Malackowski et al.	8,939,344 B2	1/2015	Olson et al.
8,789,737 B2	7/2014	Hodgkinson et al.	8,939,974 B2	1/2015	Boudreaux et al.
8,789,739 B2	7/2014	Swensgard	8,945,163 B2	2/2015	Voegele et al.
8,789,740 B2	7/2014	Baxter, III et al.	8,955,732 B2	2/2015	Zemlok et al.
8,789,741 B2	7/2014	Baxter, III et al.	8,956,390 B2	2/2015	Shah et al.
8,790,684 B2	7/2014	Dave et al.	8,960,519 B2	2/2015	Whitman et al.
8,794,496 B2	8/2014	Scirica	8,960,520 B2	2/2015	McCuen
8,794,497 B2	8/2014	Zingman	8,960,521 B2	2/2015	Kostrzewski
8,795,276 B2	8/2014	Dietz et al.	8,967,443 B2	3/2015	McCuen
8,795,308 B2	8/2014	Valin	8,967,446 B2	3/2015	Beardsley et al.
8,800,837 B2	8/2014	Zemlok	8,967,448 B2	3/2015	Carter et al.
8,800,838 B2	8/2014	Shelton, IV	8,968,276 B2	3/2015	Zemlok et al.
8,800,840 B2	8/2014	Jankowski	8,968,337 B2	3/2015	Whitfield et al.
8,800,841 B2	8/2014	Ellerhorst et al.	8,968,355 B2	3/2015	Malkowski et al.
8,801,732 B2	8/2014	Harris et al.	8,968,358 B2	3/2015	Ke
8,801,734 B2	8/2014	Shelton, IV et al.	8,973,803 B2	3/2015	Hall et al.
8,801,735 B2	8/2014	Shelton, IV et al.	8,973,804 B2	3/2015	Hess et al.
8,801,752 B2	8/2014	Fortier et al.	8,974,440 B2	3/2015	Farritor et al.
8,806,973 B2	8/2014	Ross et al.	8,978,954 B2	3/2015	Shelton, IV et al.
8,808,294 B2	8/2014	Fox et al.	8,978,955 B2	3/2015	Aronhalt et al.
8,808,311 B2	8/2014	Heinrich et al.	8,978,956 B2	3/2015	Schall et al.
8,808,325 B2	8/2014	Hess et al.	8,979,890 B2	3/2015	Boudreaux
8,814,024 B2	8/2014	Woodard, Jr. et al.	8,982,195 B2	3/2015	Claus et al.
8,814,025 B2	8/2014	Miller et al.	8,985,428 B2	3/2015	Natarajan et al.
8,820,603 B2	9/2014	Shelton, IV et al.	8,991,676 B2	3/2015	Hess et al.
8,820,605 B2	9/2014	Shelton, IV	8,991,677 B2	3/2015	Moore et al.
8,820,606 B2	9/2014	Hodgkinson	8,991,678 B2	3/2015	Wellman et al.
8,827,133 B2	9/2014	Shelton, IV et al.	8,992,422 B2	3/2015	Spivey et al.
8,827,134 B2	9/2014	Viola et al.	8,996,165 B2	3/2015	Wang et al.
8,827,903 B2	9/2014	Shelton, IV et al.	8,998,058 B2	4/2015	Moore et al.
8,833,632 B2	9/2014	Swensgard	8,998,059 B2	4/2015	Smith et al.
8,834,498 B2	9/2014	Byrum et al.	8,998,061 B2	4/2015	Williams et al.
8,834,518 B2	9/2014	Faller et al.	8,998,935 B2	4/2015	Hart
8,840,003 B2	9/2014	Morgan et al.	8,998,951 B2	4/2015	Knodel et al.

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9,004,339	B1	4/2015	Park	9,192,377	B1	11/2015	Schaller
9,005,230	B2	4/2015	Yates et al.	9,192,380	B2	11/2015	(Tarinelli) Racenet et al.
9,005,238	B2	4/2015	DeSantis et al.	9,192,384	B2	11/2015	Bettuchi
9,005,243	B2	4/2015	Stopek et al.	9,198,661	B2	12/2015	Swensgard
9,010,608	B2	4/2015	Casasanta, Jr. et al.	9,198,662	B2	12/2015	Barton et al.
9,016,540	B2	4/2015	Whitman et al.	9,204,830	B2	12/2015	Zand et al.
9,016,541	B2	4/2015	Viola et al.	9,204,877	B2	12/2015	Whitman et al.
9,016,542	B2	4/2015	Shelton, IV et al.	9,204,878	B2	12/2015	Hall et al.
9,017,331	B2	4/2015	Fox	9,204,879	B2	12/2015	Shelton, IV
9,023,014	B2	5/2015	Chowaniec et al.	9,204,880	B2	12/2015	Baxter, III et al.
9,027,817	B2	5/2015	Milliman et al.	9,204,923	B2	12/2015	Manzo et al.
9,028,494	B2	5/2015	Shelton, IV et al.	9,211,120	B2	12/2015	Scheib et al.
9,028,495	B2	5/2015	Mueller et al.	9,211,121	B2	12/2015	Hall et al.
9,028,519	B2	5/2015	Yates et al.	9,211,122	B2	12/2015	Hagerty et al.
9,033,203	B2	5/2015	Woodard, Jr. et al.	9,216,019	B2	12/2015	Schmid et al.
9,033,204	B2	5/2015	Shelton, IV et al.	9,216,020	B2	12/2015	Zhang et al.
9,038,881	B1	5/2015	Schaller et al.	9,216,062	B2	12/2015	Duque et al.
9,044,227	B2	6/2015	Shelton, IV et al.	9,220,500	B2	12/2015	Swayze et al.
9,044,228	B2	6/2015	Woodard, Jr. et al.	9,220,501	B2	12/2015	Baxter, III et al.
9,044,229	B2	6/2015	Scheib et al.	9,220,502	B2	12/2015	Zemlok et al.
9,044,230	B2	6/2015	Morgan et al.	9,220,559	B2	12/2015	Worrell et al.
9,050,083	B2	6/2015	Yates et al.	9,226,751	B2	1/2016	Shelton, IV et al.
9,050,084	B2	6/2015	Schmid et al.	9,232,941	B2	1/2016	Mandakolathur Vasudevan et al.
9,050,120	B2	6/2015	Swarup et al.	9,232,945	B2	1/2016	Zingman
9,055,941	B2	6/2015	Schmid et al.	9,237,891	B2	1/2016	Shelton, IV
9,055,942	B2	6/2015	Balbierz et al.	9,237,892	B2	1/2016	Hodgkinson
9,055,943	B2	6/2015	Zemlok et al.	9,241,714	B2	1/2016	Timm et al.
9,055,944	B2	6/2015	Hodgkinson et al.	9,241,758	B2	1/2016	Franer et al.
9,060,769	B2	6/2015	Coleman et al.	9,254,131	B2	2/2016	Soltz et al.
9,060,770	B2	6/2015	Shelton, IV et al.	9,265,500	B2	2/2016	Sorrentino et al.
9,060,894	B2	6/2015	Wubbeling	9,271,753	B2	3/2016	Butler et al.
9,072,515	B2	7/2015	Hall et al.	9,271,799	B2	3/2016	Shelton, IV et al.
9,072,523	B2	7/2015	Houser et al.	9,272,406	B2	3/2016	Aronhalt et al.
9,072,535	B2	7/2015	Shelton, IV et al.	9,277,919	B2	3/2016	Timmer et al.
9,072,536	B2	7/2015	Shelton, IV et al.	9,277,922	B2	3/2016	Carter et al.
9,078,653	B2	7/2015	Leimbach et al.	9,282,962	B2	3/2016	Schmid et al.
9,084,601	B2	7/2015	Moore et al.	9,282,963	B2	3/2016	Bryant
9,084,602	B2	7/2015	Gleiman	9,282,966	B2	3/2016	Shelton, IV et al.
9,089,326	B2	7/2015	Krumanaker et al.	9,282,974	B2	3/2016	Shelton, IV
9,089,330	B2	7/2015	Widenhouse et al.	9,283,054	B2	3/2016	Morgan et al.
9,089,352	B2	7/2015	Jeong	9,289,206	B2	3/2016	Hess et al.
9,095,339	B2	8/2015	Moore et al.	9,289,207	B2	3/2016	Shelton, IV
9,095,362	B2	8/2015	Dachs, II et al.	9,289,210	B2	3/2016	Baxter, III et al.
9,096,033	B2	8/2015	Holop et al.	9,289,212	B2	3/2016	Shelton, IV et al.
9,101,358	B2	8/2015	Kerr et al.	9,289,225	B2	3/2016	Shelton, IV et al.
9,101,385	B2	8/2015	Shelton, IV et al.	9,289,256	B2	3/2016	Shelton, IV et al.
9,107,663	B2	8/2015	Swensgard	9,295,463	B2	3/2016	Viola et al.
9,110,587	B2	8/2015	Kim et al.	9,295,464	B2	3/2016	Shelton, IV et al.
9,113,862	B2	8/2015	Morgan et al.	9,295,466	B2	3/2016	Hodgkinson et al.
9,113,864	B2	8/2015	Morgan et al.	9,301,752	B2	4/2016	Mandakolathur Vasudevan et al.
9,113,865	B2	8/2015	Shelton, IV et al.	9,301,753	B2	4/2016	Aldridge et al.
9,113,870	B2	8/2015	Viola	9,301,755	B2	4/2016	Shelton, IV et al.
9,113,874	B2	8/2015	Shelton, IV et al.	9,301,759	B2	4/2016	Spivey et al.
9,113,880	B2	8/2015	Zemlok et al.	9,307,965	B2	4/2016	Ming et al.
9,113,881	B2	8/2015	Scirica	9,307,986	B2	4/2016	Hall et al.
9,113,883	B2	8/2015	Aronhalt et al.	9,307,987	B2	4/2016	Swensgard et al.
9,113,884	B2	8/2015	Shelton, IV et al.	9,307,988	B2	4/2016	Shelton, IV
9,119,657	B2	9/2015	Shelton, IV et al.	9,307,989	B2	4/2016	Shelton, IV et al.
9,119,898	B2	9/2015	Bayon et al.	9,307,994	B2	4/2016	Gresham et al.
9,119,957	B2	9/2015	Gantz et al.	9,308,009	B2	4/2016	Madan et al.
9,123,286	B2	9/2015	Park	9,314,246	B2	4/2016	Shelton, IV et al.
9,125,649	B2	9/2015	Bruewer et al.	9,314,247	B2	4/2016	Shelton, IV et al.
9,125,654	B2	9/2015	Aronhalt et al.	9,314,594	B2	4/2016	Kirschenman
9,125,662	B2	9/2015	Shelton, IV	9,320,518	B2	4/2016	Henderson et al.
9,131,940	B2	9/2015	Huitema et al.	9,320,520	B2	4/2016	Shelton, IV et al.
9,138,225	B2	9/2015	Huang et al.	9,320,521	B2	4/2016	Shelton, IV et al.
9,138,226	B2	9/2015	Racenet et al.	9,320,523	B2	4/2016	Shelton, IV et al.
9,149,274	B2	10/2015	Spivey et al.	9,326,767	B2	5/2016	Koch et al.
9,149,324	B2	10/2015	Huang et al.	9,326,768	B2	5/2016	Shelton, IV
9,149,325	B2	10/2015	Worrell et al.	9,326,769	B2	5/2016	Shelton, IV et al.
9,155,536	B1	10/2015	Hausen et al.	9,326,770	B2	5/2016	Shelton, IV et al.
9,168,038	B2	10/2015	Shelton, IV et al.	9,326,771	B2	5/2016	Baxter, III et al.
9,168,039	B1	10/2015	Knodel	9,332,974	B2	5/2016	Henderson et al.
9,179,911	B2	11/2015	Morgan et al.	9,332,984	B2	5/2016	Weaner et al.
9,179,912	B2	11/2015	Yates et al.	9,332,987	B2	5/2016	Leimbach et al.
9,186,046	B2	11/2015	Ramamurthy et al.	9,333,082	B2	5/2016	Wei et al.
9,186,137	B2	11/2015	Farascioni et al.	9,345,477	B2	5/2016	Anim et al.
9,186,140	B2	11/2015	Hiles et al.	9,345,481	B2	5/2016	Hall et al.
9,186,143	B2	11/2015	Timm et al.	9,351,726	B2	5/2016	Leimbach et al.

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9,351,727 B2	5/2016	Leimbach et al.	9,572,577 B2	2/2017	Lloyd et al.
9,351,730 B2	5/2016	Schmid et al.	9,574,644 B2	2/2017	Parihar
9,351,731 B2	5/2016	Carter et al.	9,585,657 B2	3/2017	Shelton, IV et al.
9,358,003 B2	6/2016	Hall et al.	9,585,658 B2	3/2017	Shelton, IV
9,358,005 B2	6/2016	Shelton, IV et al.	9,585,660 B2	3/2017	Laurent et al.
9,358,015 B2	6/2016	Sorrentino et al.	9,585,662 B2	3/2017	Shelton, IV et al.
9,364,217 B2	6/2016	Kostrzewski et al.	9,585,663 B2	3/2017	Shelton, IV et al.
9,364,219 B2	6/2016	Olson et al.	9,592,050 B2	3/2017	Schmid et al.
9,364,220 B2	6/2016	Williams	9,592,052 B2	3/2017	Shelton, IV
9,364,229 B2	6/2016	D'Agostino et al.	9,592,053 B2	3/2017	Shelton, IV et al.
9,364,230 B2	6/2016	Shelton, IV et al.	9,592,054 B2	3/2017	Schmid et al.
9,364,233 B2	6/2016	Alexander, III et al.	9,597,073 B2	3/2017	Sorrentino et al.
9,370,341 B2	6/2016	Ceniccola et al.	9,597,074 B2	3/2017	Felder et al.
9,370,358 B2	6/2016	Shelton, IV et al.	9,597,075 B2	3/2017	Shelton, IV et al.
9,370,364 B2	6/2016	Smith et al.	9,597,080 B2	3/2017	Milliman et al.
9,386,983 B2	7/2016	Swensgard et al.	9,597,104 B2	3/2017	Nicholas et al.
9,386,984 B2	7/2016	Aronhalt et al.	9,603,595 B2	3/2017	Shelton, IV et al.
9,386,985 B2	7/2016	Koch, Jr. et al.	9,603,598 B2	3/2017	Shelton, IV et al.
9,386,988 B2	7/2016	Baxter, III et al.	9,603,991 B2	3/2017	Shelton, IV et al.
9,393,015 B2	7/2016	Laurent et al.	9,610,080 B2	4/2017	Whitfield et al.
9,393,018 B2	7/2016	Wang et al.	9,615,826 B2	4/2017	Shelton, IV et al.
9,398,911 B2	7/2016	Auld	9,629,623 B2	4/2017	Lytle, IV et al.
9,402,604 B2	8/2016	Williams et al.	9,629,626 B2	4/2017	Soltz et al.
9,402,626 B2	8/2016	Ortiz et al.	9,629,629 B2	4/2017	Leimbach et al.
9,402,628 B2	8/2016	Beardsley	9,629,814 B2	4/2017	Widenhouse et al.
9,408,604 B2	8/2016	Shelton, IV et al.	9,636,113 B2	5/2017	Wenchell
9,408,606 B2	8/2016	Shelton, IV	9,642,620 B2	5/2017	Baxter, III et al.
9,408,622 B2	8/2016	Stulen et al.	9,649,096 B2	5/2017	Sholev
9,414,838 B2	8/2016	Shelton, IV et al.	9,649,110 B2	5/2017	Parihar et al.
9,414,848 B2	8/2016	Edwards et al.	9,649,111 B2	5/2017	Shelton, IV et al.
9,414,880 B2	8/2016	Monson et al.	9,655,613 B2	5/2017	Schaller
9,421,013 B2	8/2016	Patel et al.	9,655,614 B2	5/2017	Swensgard et al.
9,421,014 B2	8/2016	Ingmanson et al.	9,655,615 B2	5/2017	Knodel et al.
9,427,223 B2	8/2016	Park et al.	9,655,624 B2	5/2017	Shelton, IV et al.
9,427,232 B2	8/2016	Gupta et al.	9,656,024 B2	5/2017	Eggert et al.
9,433,411 B2	9/2016	Racenet et al.	9,658,011 B2	5/2017	Gomez
9,433,419 B2	9/2016	Gonzalez et al.	9,662,110 B2	5/2017	Huang et al.
9,433,420 B2	9/2016	Hodgkinson	9,662,131 B2	5/2017	Omori et al.
9,439,649 B2	9/2016	Shelton, IV et al.	9,668,729 B2	6/2017	Williams et al.
9,439,651 B2	9/2016	Smith et al.	9,668,732 B2	6/2017	Patel et al.
9,445,808 B2	9/2016	Woodard, Jr. et al.	9,675,344 B2	6/2017	Combrowski et al.
9,445,813 B2	9/2016	Shelton, IV et al.	9,675,351 B2	6/2017	Hodgkinson et al.
9,451,956 B2	9/2016	Balbierz et al.	9,675,355 B2	6/2017	Shelton, IV et al.
9,451,958 B2	9/2016	Shelton, IV et al.	9,675,372 B2	6/2017	Laurent et al.
9,463,260 B2	10/2016	Stope	9,675,375 B2	6/2017	Houser et al.
9,468,438 B2	10/2016	Baber et al.	9,681,870 B2	6/2017	Baxter, III et al.
9,480,476 B2	11/2016	Aldridge et al.	9,681,873 B2	6/2017	Smith et al.
9,480,492 B2	11/2016	Aranyi et al.	9,687,230 B2	6/2017	Leimbach et al.
9,486,213 B2	11/2016	Altman et al.	9,687,231 B2	6/2017	Baxter, III et al.
9,486,214 B2	11/2016	Shelton, IV	9,687,232 B2	6/2017	Shelton, IV et al.
9,486,302 B2	11/2016	Boey et al.	9,687,236 B2	6/2017	Leimbach et al.
9,492,146 B2	11/2016	Kostrzewski et al.	9,687,237 B2	6/2017	Schmid et al.
9,492,167 B2	11/2016	Shelton, IV et al.	9,690,362 B2	6/2017	Leimbach et al.
9,492,170 B2	11/2016	Bear et al.	9,693,772 B2	7/2017	Ingmanson et al.
9,492,189 B2	11/2016	Williams et al.	9,693,777 B2	7/2017	Schellin et al.
9,498,211 B2	11/2016	Cohn et al.	9,693,819 B2	7/2017	Francischelli et al.
9,498,215 B2	11/2016	Duque et al.	9,700,309 B2	7/2017	Jaworek et al.
9,498,219 B2	11/2016	Moore et al.	9,700,310 B2	7/2017	Morgan et al.
D775,336 S *	12/2016	Shelton, IV D24/145	9,700,312 B2	7/2017	Kostrzewski et al.
9,510,827 B2	12/2016	Kostrzewski	9,700,317 B2	7/2017	Aronhalt et al.
9,510,828 B2	12/2016	Yates et al.	9,700,319 B2	7/2017	Motooka et al.
9,510,830 B2	12/2016	Shelton, IV et al.	9,700,321 B2	7/2017	Shelton, IV et al.
9,510,846 B2	12/2016	Sholev et al.	9,706,991 B2	7/2017	Hess et al.
9,510,925 B2	12/2016	Hotter et al.	9,706,993 B2	7/2017	Hessler et al.
9,517,063 B2	12/2016	Swayze et al.	9,707,043 B2	7/2017	Bozung
9,517,068 B2	12/2016	Shelton, IV et al.	9,724,091 B2	8/2017	Shelton, IV et al.
9,522,029 B2	12/2016	Yates et al.	9,724,092 B2	8/2017	Baxter, III et al.
9,526,564 B2	12/2016	Rusin	9,724,094 B2	8/2017	Baber et al.
9,539,020 B2	1/2017	Conlon et al.	9,724,096 B2	8/2017	Thompson et al.
9,545,258 B2	1/2017	Smith et al.	9,724,098 B2	8/2017	Baxter, III et al.
9,549,732 B2	1/2017	Yates et al.	9,730,692 B2	8/2017	Shelton, IV et al.
9,549,735 B2 *	1/2017	Shelton, IV A61B 17/068	9,730,695 B2	8/2017	Leimbach et al.
9,554,794 B2	1/2017	Baber et al.	9,730,697 B2	8/2017	Morgan et al.
9,554,796 B2	1/2017	Kostrzewski	9,733,663 B2	8/2017	Leimbach et al.
9,561,032 B2	2/2017	Shelton, IV et al.	9,737,301 B2	8/2017	Baber et al.
9,561,038 B2	2/2017	Shelton, IV et al.	9,737,302 B2	8/2017	Shelton, IV et al.
9,561,045 B2	2/2017	Hinman et al.	9,737,303 B2	8/2017	Shelton, IV et al.
9,566,061 B2	2/2017	Aronhalt et al.	9,737,365 B2	8/2017	Hegeman et al.
9,572,574 B2	2/2017	Shelton, IV et al.	9,743,928 B2	8/2017	Shelton, IV et al.

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9,743,929 B2	8/2017	Leimbach et al.	9,872,684 B2	1/2018	Hall et al.
9,750,498 B2	9/2017	Timm et al.	9,877,721 B2	1/2018	Schellin et al.
9,750,499 B2	9/2017	Leimbach et al.	9,883,860 B2	2/2018	Leimbach
9,750,501 B2	9/2017	Shelton, IV et al.	9,883,861 B2	2/2018	Shelton, IV et al.
9,750,502 B2	9/2017	Scirica et al.	9,884,456 B2	2/2018	Schellin et al.
9,757,123 B2	9/2017	Giordano et al.	9,888,919 B2	2/2018	Leimbach et al.
9,757,124 B2	9/2017	Schellin et al.	9,888,924 B2	2/2018	Ebersole et al.
9,757,126 B2	9/2017	Cappola	9,889,230 B2	2/2018	Bennett et al.
9,757,128 B2	9/2017	Baber et al.	9,895,147 B2	2/2018	Shelton, IV
9,757,130 B2	9/2017	Shelton, IV	9,895,148 B2	2/2018	Shelton, IV et al.
9,763,662 B2	9/2017	Shelton, IV et al.	9,895,813 B2	2/2018	Blumenkranz et al.
9,770,245 B2	9/2017	Swayze et al.	9,901,342 B2	2/2018	Shelton, IV et al.
9,770,317 B2 *	9/2017	Nering A61B 17/064	9,901,343 B2	2/2018	Void et al.
9,775,608 B2	10/2017	Aronhalt et al.	9,907,620 B2	3/2018	Shelton, IV et al.
9,775,609 B2	10/2017	Shelton, IV et al.	9,913,642 B2	3/2018	Leimbach et al.
9,775,613 B2	10/2017	Shelton, IV et al.	9,913,647 B2	3/2018	Weisenburgh, II et al.
9,775,614 B2	10/2017	Shelton, IV et al.	9,913,648 B2	3/2018	Shelton, IV et al.
9,782,169 B2	10/2017	Kimsey et al.	9,913,694 B2	3/2018	Brisson
9,788,834 B2	10/2017	Schmid et al.	9,918,704 B2	3/2018	Shelton, IV et al.
9,788,836 B2	10/2017	Overmyer et al.	9,918,716 B2	3/2018	Baxter, III et al.
9,795,379 B2	10/2017	Leimbach et al.	9,918,717 B2	3/2018	Czernik
9,795,380 B2	10/2017	Shelton, IV et al.	9,918,778 B2	3/2018	Walberg et al.
9,795,381 B2	10/2017	Shelton, IV	9,924,942 B2	3/2018	Swayze et al.
9,795,382 B2	10/2017	Shelton, IV	9,924,944 B2	3/2018	Shelton, IV et al.
9,795,384 B2	10/2017	Weaner et al.	9,924,947 B2	3/2018	Shelton, IV et al.
9,801,626 B2	10/2017	Parihar et al.	9,924,961 B2	3/2018	Shelton, IV et al.
9,801,627 B2	10/2017	Harris et al.	9,931,118 B2	4/2018	Shelton, IV et al.
9,801,628 B2	10/2017	Harris et al.	9,943,309 B2	4/2018	Shelton, IV et al.
9,801,634 B2	10/2017	Shelton, IV et al.	9,943,310 B2	4/2018	Harris et al.
9,804,618 B2	10/2017	Leimbach et al.	9,962,158 B2	5/2018	Hall et al.
9,808,244 B2	11/2017	Leimbach et al.	9,962,161 B2	5/2018	Scheib et al.
9,808,246 B2	11/2017	Shelton, IV et al.	9,968,354 B2	5/2018	Shelton, IV et al.
9,808,247 B2	11/2017	Shelton, IV et al.	9,968,355 B2	5/2018	Shelton, IV et al.
9,808,249 B2	11/2017	Shelton, IV	9,968,356 B2	5/2018	Shelton, IV et al.
9,814,460 B2	11/2017	Kimsey et al.	9,968,397 B2	5/2018	Taylor et al.
9,814,462 B2	11/2017	Woodard, Jr. et al.	9,974,529 B2	5/2018	Shelton, IV et al.
9,820,738 B2	11/2017	Lytle, IV et al.	9,974,538 B2	5/2018	Baxter, III et al.
9,820,741 B2	11/2017	Kostrzewski	9,980,630 B2	5/2018	Larkin et al.
9,820,770 B2	11/2017	Palermo	9,980,713 B2	5/2018	Aronhalt et al.
9,826,976 B2	11/2017	Parihar et al.	9,980,729 B2	5/2018	Moore et al.
9,826,977 B2	11/2017	Leimbach et al.	9,987,000 B2	6/2018	Shelton, IV et al.
9,826,978 B2	11/2017	Shelton, IV et al.	9,987,006 B2	6/2018	Morgan et al.
9,833,236 B2	12/2017	Shelton, IV et al.	9,987,011 B2	6/2018	Williams et al.
9,833,238 B2	12/2017	Baxter, III et al.	9,987,012 B2	6/2018	Shah
9,833,241 B2	12/2017	Huitema et al.	9,987,095 B2	6/2018	Chowaniec et al.
9,833,242 B2	12/2017	Baxter, III et al.	9,987,099 B2	6/2018	Chen et al.
9,839,420 B2	12/2017	Shelton, IV et al.	9,993,248 B2	6/2018	Shelton, IV et al.
9,839,421 B2	12/2017	Zerkle et al.	9,993,258 B2	6/2018	Shelton, IV et al.
9,839,422 B2	12/2017	Schellin et al.	9,999,408 B2	6/2018	Boudreaux et al.
9,839,423 B2	12/2017	Vendely et al.	9,999,426 B2	6/2018	Moore et al.
9,839,425 B2	12/2017	Zergiebel et al.	9,999,431 B2	6/2018	Shelton, IV et al.
9,839,427 B2	12/2017	Swayze et al.	10,004,497 B2	6/2018	Overmyer et al.
9,839,428 B2	12/2017	Baxter, III et al.	10,004,498 B2	6/2018	Morgan et al.
9,839,429 B2	12/2017	Weisenburgh, II et al.	10,004,501 B2	6/2018	Shelton, IV et al.
9,839,480 B2	12/2017	Pribanic et al.	10,004,505 B2	6/2018	Moore et al.
9,844,368 B2	12/2017	Boudreaux et al.	D822,206 S *	7/2018	Shelton, IV D24/145
9,844,369 B2	12/2017	Huitema et al.	10,010,322 B2	7/2018	Shelton, IV et al.
9,844,372 B2	12/2017	Shelton, IV et al.	10,010,324 B2	7/2018	Huitema et al.
9,844,373 B2	12/2017	Swayze et al.	10,013,049 B2	7/2018	Leimbach et al.
9,844,374 B2	12/2017	Lytle, IV et al.	10,016,199 B2	7/2018	Baber et al.
9,844,375 B2	12/2017	Overmyer et al.	10,028,742 B2	7/2018	Shelton, IV et al.
9,844,376 B2	12/2017	Baxter, III et al.	10,028,743 B2	7/2018	Shelton, IV et al.
9,844,379 B2	12/2017	Shelton, IV et al.	10,028,744 B2 *	7/2018	Shelton, IV A61B 17/0644
9,848,871 B2	12/2017	Harris et al.	10,028,761 B2	7/2018	Leimbach et al.
9,848,873 B2	12/2017	Shelton, IV	D826,405 S *	8/2018	Shelton, IV A61B 17/0644 D24/145
9,848,875 B2	12/2017	Aronhalt et al.			
9,848,877 B2	12/2017	Shelton, IV et al.	10,039,529 B2	8/2018	Kerr et al.
9,848,898 B2	12/2017	Friedman et al.	10,045,769 B2	8/2018	Aronhalt et al.
9,855,040 B2	1/2018	Kostrzewski	10,045,776 B2	8/2018	Shelton, IV et al.
9,855,041 B2	1/2018	Nering et al.	10,045,779 B2	8/2018	Savage et al.
9,861,359 B2	1/2018	Shelton, IV et al.	10,045,781 B2	8/2018	Cropper et al.
9,861,361 B2	1/2018	Aronhalt et al.	10,052,044 B2	8/2018	Shelton, IV et al.
9,867,612 B2	1/2018	Parihar et al.	10,052,099 B2	8/2018	Morgan et al.
9,867,613 B2	1/2018	Marczyk et al.	10,052,100 B2	8/2018	Morgan et al.
9,867,616 B2	1/2018	Marczyk	10,052,102 B2	8/2018	Baxter, III et al.
9,867,618 B2	1/2018	Hall et al.	10,052,104 B2	8/2018	Shelton, IV et al.
9,868,198 B2	1/2018	Nicholas et al.	10,058,317 B2	8/2018	Fan et al.
9,872,682 B2	1/2018	Hess et al.	10,058,327 B2	8/2018	Weisenburgh, II et al.
9,872,683 B2	1/2018	Hopkins et al.	10,058,963 B2	8/2018	Shelton, IV et al.

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10,064,618 B2	9/2018	Allen	10,258,336 B2	4/2019	Baxter, III et al.
10,064,621 B2	9/2018	Kerr et al.	10,265,065 B2	4/2019	Shelton, IV et al.
10,064,624 B2	9/2018	Shelton, IV et al.	10,265,067 B2	4/2019	Yates et al.
10,064,688 B2	9/2018	Shelton, IV et al.	10,265,068 B2	4/2019	Harris et al.
10,070,861 B2	9/2018	Spivey et al.	10,265,072 B2	4/2019	Shelton, IV et al.
10,070,863 B2	9/2018	Swayze et al.	10,265,073 B2	4/2019	Scheib et al.
10,071,452 B2	9/2018	Shelton, IV et al.	10,265,074 B2	4/2019	Shelton, IV et al.
10,076,325 B2	9/2018	Huang et al.	10,271,845 B2	4/2019	Shelton, IV
10,080,552 B2	9/2018	Nicholas et al.	10,271,846 B2	4/2019	Shelton, IV et al.
D831,209 S	10/2018	Huitema et al.	10,271,851 B2	4/2019	Shelton, IV et al.
10,085,748 B2	10/2018	Morgan et al.	D847,989 S	5/2019	Shelton, IV et al.
10,085,749 B2	10/2018	Cappola et al.	10,278,697 B2	5/2019	Shelton, IV et al.
10,085,806 B2	10/2018	Hagn et al.	10,278,722 B2	5/2019	Shelton, IV et al.
10,092,292 B2	10/2018	Boudreaux et al.	10,285,700 B2	5/2019	Scheib
10,098,642 B2 *	10/2018	Baxter, III A61B 17/0644	10,285,705 B2	5/2019	Shelton, IV et al.
10,105,142 B2	10/2018	Baxter, III et al.	10,292,702 B2	5/2019	Cardinale et al.
10,111,679 B2	10/2018	Baber et al.	10,292,704 B2	5/2019	Harris et al.
10,117,649 B2	11/2018	Baxter et al.	10,299,792 B2	5/2019	Huitema et al.
10,117,652 B2	11/2018	Schmid et al.	10,299,817 B2	5/2019	Shelton, IV et al.
10,123,798 B2	11/2018	Baxter, III et al.	D850,617 S	6/2019	Shelton, IV et al.
10,123,799 B2	11/2018	Zergiebel et al.	10,307,159 B2	6/2019	Harris et al.
10,130,352 B2	11/2018	Widenhouse et al.	10,314,582 B2	6/2019	Shelton, IV et al.
10,130,359 B2	11/2018	Hess et al.	10,314,587 B2	6/2019	Harris et al.
10,130,363 B2	11/2018	Huitema et al.	10,314,589 B2	6/2019	Shelton, IV et al.
10,130,366 B2	11/2018	Shelton, IV et al.	10,321,907 B2	6/2019	Shelton, IV et al.
10,135,242 B2	11/2018	Baber et al.	10,321,909 B2	6/2019	Shelton, IV et al.
10,136,887 B2	11/2018	Shelton, IV et al.	10,327,764 B2	6/2019	Harris et al.
10,136,888 B2	11/2018	Chen et al.	10,327,765 B2	6/2019	Timm et al.
10,136,890 B2	11/2018	Shelton, IV et al.	10,327,776 B2	6/2019	Harris et al.
D836,198 S	12/2018	Harris et al.	10,335,144 B2	7/2019	Shelton, IV et al.
10,149,679 B2	12/2018	Shelton, IV et al.	10,335,148 B2	7/2019	Shelton, IV et al.
10,149,680 B2	12/2018	Parihar et al.	10,335,149 B2	7/2019	Baxter, III et al.
10,149,682 B2	12/2018	Shelton, IV et al.	10,335,150 B2	7/2019	Shelton, IV
10,149,683 B2	12/2018	Smith et al.	10,335,151 B2	7/2019	Shelton, IV et al.
10,159,482 B2	12/2018	Swayze et al.	10,342,533 B2	7/2019	Shelton, IV et al.
10,159,483 B2	12/2018	Beckman et al.	10,342,535 B2	7/2019	Scheib et al.
10,166,025 B2	1/2019	Leimbach et al.	10,342,541 B2	7/2019	Shelton, IV et al.
10,166,026 B2 *	1/2019	Shelton, IV A61B 17/068	10,342,543 B2	7/2019	Shelton, IV et al.
10,172,616 B2	1/2019	Murray et al.	10,349,941 B2	7/2019	Marczyk et al.
10,172,619 B2	1/2019	Harris et al.	10,357,246 B2	7/2019	Shelton, IV et al.
10,178,992 B2	1/2019	Wise et al.	10,357,251 B2 *	7/2019	Shelton, IV A61B 17/064
10,180,463 B2	1/2019	Beckman et al.	10,357,252 B2	7/2019	Harris et al.
10,182,816 B2	1/2019	Shelton, IV et al.	10,363,031 B2	7/2019	Alexander, III et al.
10,182,818 B2	1/2019	Hensel et al.	10,363,032 B2	7/2019	Scheib et al.
10,182,819 B2	1/2019	Shelton, IV	10,368,861 B2	8/2019	Baxter, III et al.
10,188,385 B2	1/2019	Kerr et al.	10,368,865 B2	8/2019	Harris et al.
10,188,393 B2	1/2019	Smith et al.	10,376,263 B2	8/2019	Morgan et al.
10,188,394 B2	1/2019	Shelton, IV et al.	10,383,628 B2	8/2019	Kang et al.
10,194,910 B2	2/2019	Shelton, IV et al.	10,383,629 B2	8/2019	Ross et al.
10,194,913 B2	2/2019	Nalagatla et al.	10,383,633 B2	8/2019	Shelton, IV et al.
10,201,364 B2	2/2019	Leimbach et al.	10,390,823 B2	8/2019	Shelton, IV et al.
10,206,605 B2	2/2019	Shelton, IV et al.	10,390,825 B2	8/2019	Shelton, IV et al.
10,206,677 B2	2/2019	Harris et al.	10,390,829 B2	8/2019	Eckert et al.
10,206,678 B2	2/2019	Shelton, IV et al.	10,398,433 B2	9/2019	Boudreaux et al.
10,213,198 B2	2/2019	Aronhalt et al.	10,398,436 B2	9/2019	Shelton, IV et al.
10,213,201 B2	2/2019	Shelton, IV et al.	10,405,854 B2	9/2019	Schmid et al.
10,213,203 B2 *	2/2019	Swayze A61B 17/0644	10,405,857 B2	9/2019	Shelton, IV et al.
10,213,262 B2	2/2019	Shelton, IV et al.	10,405,863 B2	9/2019	Wise et al.
10,215,318 B2	2/2019	Gaspar et al.	10,413,291 B2	9/2019	Worthington et al.
10,226,250 B2	3/2019	Beckman et al.	10,413,293 B2	9/2019	Shelton, IV et al.
10,226,251 B2	3/2019	Scheib et al.	10,413,297 B2	9/2019	Harris et al.
10,231,733 B2	3/2019	Ehrenfels et al.	10,420,552 B2	9/2019	Shelton, IV et al.
10,238,385 B2	3/2019	Yates et al.	10,420,553 B2	9/2019	Shelton, IV et al.
10,238,387 B2	3/2019	Yates et al.	10,420,558 B2	9/2019	Nalagatla et al.
10,238,390 B2	3/2019	Harris et al.	10,420,559 B2	9/2019	Marczyk et al.
10,238,391 B2	3/2019	Leimbach et al.	10,420,560 B2	9/2019	Shelton, IV et al.
10,245,027 B2	4/2019	Shelton, IV et al.	10,420,561 B2	9/2019	Shelton, IV et al.
10,245,028 B2	4/2019	Shelton, IV et al.	10,426,463 B2	10/2019	Shelton, IV et al.
10,245,029 B2	4/2019	Hunter et al.	10,426,471 B2	10/2019	Shelton, IV et al.
10,245,030 B2	4/2019	Hunter et al.	10,426,476 B2	10/2019	Harris et al.
10,245,032 B2	4/2019	Shelton, IV	10,426,477 B2	10/2019	Harris et al.
10,245,033 B2	4/2019	Overmyer et al.	10,426,478 B2	10/2019	Shelton, IV et al.
10,245,035 B2	4/2019	Swayze et al.	10,433,837 B2	10/2019	Worthington et al.
10,245,038 B2	4/2019	Hopkins et al.	10,433,844 B2	10/2019	Shelton, IV et al.
10,245,058 B2	4/2019	Omori et al.	10,433,845 B2 *	10/2019	Baxter, III A61B 17/0644
10,251,648 B2	4/2019	Harris et al.	10,433,849 B2	10/2019	Shelton, IV et al.
10,258,330 B2	4/2019	Shelton, IV et al.	10,433,918 B2	10/2019	Shelton, IV et al.
10,258,331 B2	4/2019	Shelton, IV et al.	10,441,279 B2	10/2019	Shelton, IV et al.
10,258,333 B2	4/2019	Shelton, IV et al.	10,441,280 B2	10/2019	Timm et al.

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10,441,285 B2	10/2019	Shelton, IV et al.	10,675,021 B2	6/2020	Harris et al.
10,441,369 B2	10/2019	Shelton, IV et al.	10,675,024 B2	6/2020	Shelton, IV et al.
10,448,948 B2	10/2019	Shelton, IV et al.	10,675,025 B2	6/2020	Swayze et al.
10,448,950 B2	10/2019	Shelton, IV et al.	10,675,026 B2	6/2020	Harris et al.
10,456,132 B2	10/2019	Gettinger et al.	10,675,035 B2	6/2020	Zingman
10,456,133 B2	10/2019	Yates et al.	10,682,136 B2	6/2020	Harris et al.
10,456,140 B2	10/2019	Shelton, IV et al.	10,682,138 B2	6/2020	Shelton, IV et al.
10,463,367 B2	11/2019	Kostrzewski et al.	10,687,806 B2	6/2020	Shelton, IV et al.
10,463,369 B2	11/2019	Shelton, IV et al.	10,687,809 B2	6/2020	Shelton, IV et al.
10,463,383 B2	11/2019	Shelton, IV et al.	10,687,810 B2 *	6/2020	Shelton, IV A61B 17/07207
10,470,762 B2	11/2019	Leimbach et al.	10,695,053 B2	6/2020	Hess et al.
10,470,763 B2	11/2019	Yates et al.	10,695,055 B2	6/2020	Shelton, IV et al.
10,470,764 B2	11/2019	Baxter, III et al.	10,702,270 B2	7/2020	Shelton, IV et al.
10,470,768 B2	11/2019	Harris et al.	10,709,446 B2	7/2020	Harris et al.
10,470,769 B2 *	11/2019	Shelton, IV A61B 17/068	D894,389 S *	8/2020	Shelton, IV A61B 17/0644 D24/145
10,478,190 B2	11/2019	Miller et al.			
10,485,536 B2	11/2019	Ming et al.	10,729,458 B2	8/2020	Stoddard et al.
10,485,541 B2	11/2019	Shelton, IV et al.	10,736,628 B2	8/2020	Yates et al.
10,485,542 B2	11/2019	Shelton, IV et al.	10,736,629 B2	8/2020	Shelton, IV et al.
10,485,543 B2	11/2019	Shelton, IV et al.	10,736,636 B2	8/2020	Baxter, III et al.
10,485,546 B2	11/2019	Shelton, IV et al.	10,743,849 B2	8/2020	Shelton, IV et al.
D869,655 S	12/2019	Shelton, IV et al.	D896,379 S	9/2020	Shelton, IV et al.
10,492,785 B2	12/2019	Overmyer et al.	D896,380 S	9/2020	Shelton, IV et al.
10,492,787 B2	12/2019	Smith et al.	10,758,229 B2	9/2020	Shelton, IV et al.
10,499,890 B2	12/2019	Shelton, IV et al.	10,758,230 B2	9/2020	Shelton, IV et al.
10,499,908 B2	12/2019	Abbott et al.	10,758,233 B2	9/2020	Scheib et al.
10,499,914 B2	12/2019	Huang et al.	10,765,442 B2	9/2020	Strobl
10,500,309 B2	12/2019	Shah et al.	10,772,632 B2	9/2020	Kostrzewski
10,517,594 B2	12/2019	Shelton, IV et al.	10,779,818 B2	9/2020	Zemlok et al.
10,517,595 B2	12/2019	Hunter et al.	10,779,822 B2	9/2020	Yates et al.
10,517,596 B2	12/2019	Hunter et al.	10,779,823 B2	9/2020	Shelton, IV et al.
10,517,599 B2	12/2019	Baxter, III et al.	10,779,826 B2	9/2020	Shelton, IV et al.
10,517,682 B2	12/2019	Giordano et al.	10,786,255 B2	9/2020	Hodgkinson et al.
10,524,789 B2	1/2020	Swayze et al.	10,792,038 B2	10/2020	Becerra et al.
10,524,795 B2	1/2020	Nalagatla et al.	10,813,638 B2	10/2020	Shelton, IV et al.
10,531,874 B2	1/2020	Morgan et al.	10,835,245 B2	11/2020	Swayze et al.
10,537,324 B2	1/2020	Shelton, IV et al.	10,835,246 B2	11/2020	Shelton, IV et al.
10,537,325 B2	1/2020	Bakos et al.	10,835,247 B2	11/2020	Shelton, IV et al.
10,542,978 B2	1/2020	Chowaniec et al.	10,842,488 B2	11/2020	Swayze et al.
10,542,979 B2 *	1/2020	Shelton, IV A61B 17/0644	10,842,489 B2	11/2020	Shelton, IV
10,542,982 B2	1/2020	Beckman et al.	10,842,490 B2	11/2020	DiNardo et al.
10,542,988 B2	1/2020	Schellin et al.	10,856,866 B2	12/2020	Shelton, IV et al.
10,542,991 B2	1/2020	Shelton, IV et al.	10,856,867 B2	12/2020	Shelton, IV et al.
10,548,504 B2	2/2020	Shelton, IV et al.	10,856,868 B2	12/2020	Shelton, IV et al.
10,548,599 B2	2/2020	Marczyk et al.	10,874,391 B2	12/2020	Shelton, IV et al.
10,561,422 B2	2/2020	Schellin et al.	10,881,401 B2	1/2021	Baber et al.
10,568,624 B2	2/2020	Shelton, IV et al.	10,888,322 B2	1/2021	Morgan et al.
10,568,625 B2	2/2020	Harris et al.	10,893,853 B2	1/2021	Shelton, IV et al.
10,568,626 B2	2/2020	Shelton, IV et al.	10,893,863 B2	1/2021	Shelton, IV et al.
10,568,632 B2	2/2020	Miller et al.	10,893,864 B2	1/2021	Harris et al.
10,568,652 B2	2/2020	Hess et al.	10,898,186 B2	1/2021	Bakos et al.
10,575,868 B2	3/2020	Hall et al.	10,905,418 B2	2/2021	Shelton, IV et al.
10,582,928 B2	3/2020	Hunter et al.	10,912,575 B2	2/2021	Shelton, IV et al.
10,588,623 B2	3/2020	Schmid et al.	10,918,385 B2	2/2021	Overmyer et al.
10,588,624 B2 *	3/2020	Shelton, IV A61B 17/068	10,925,599 B2	2/2021	Baxter, III et al.
10,588,625 B2	3/2020	Weaner et al.	10,945,727 B2	3/2021	Shelton, IV et al.
10,588,629 B2	3/2020	Malinouskas et al.	10,952,730 B2	3/2021	Scheib et al.
10,588,630 B2	3/2020	Shelton, IV et al.	10,952,731 B2	3/2021	Gupta et al.
10,588,631 B2	3/2020	Shelton, IV et al.	10,959,727 B2	3/2021	Hunter et al.
10,588,632 B2	3/2020	Shelton, IV et al.	10,973,516 B2	4/2021	Shelton, IV et al.
10,595,835 B2	3/2020	Kerr et al.	10,980,536 B2	4/2021	Weaner et al.
10,603,036 B2	3/2020	Hunter et al.	10,993,715 B2	5/2021	Shelton, IV et al.
10,603,128 B2	3/2020	Zergiebel et al.	11,000,276 B2	5/2021	Shelton, IV et al.
10,610,219 B2	4/2020	Adams et al.	11,000,278 B2 *	5/2021	Shelton, IV A61B 17/0644
10,610,224 B2	4/2020	Shelton, IV et al.	11,020,109 B2	6/2021	Baxter, III et al.
10,617,412 B2	4/2020	Shelton, IV et al.	11,026,677 B2	6/2021	Baxter, III et al.
10,617,414 B2	4/2020	Shelton, IV et al.	11,103,248 B2 *	8/2021	Shelton, IV A61B 17/0644
10,624,634 B2	4/2020	Shelton, IV et al.	2001/0025183 A1	9/2001	Shahidi
10,624,635 B2	4/2020	Harris et al.	2002/0022836 A1	2/2002	Goble et al.
10,624,636 B2	4/2020	Beardsley et al.	2002/0029036 A1	3/2002	Goble et al.
10,631,857 B2	4/2020	Kostrzewski	2002/0095175 A1	7/2002	Brock et al.
10,639,034 B2	5/2020	Harris et al.	2002/0103494 A1	8/2002	Pacey
10,639,035 B2	5/2020	Shelton, IV et al.	2002/0117534 A1	8/2002	Green et al.
10,653,413 B2	5/2020	Worthington et al.	2002/0127265 A1	9/2002	Bowman et al.
10,653,417 B2	5/2020	Shelton, IV et al.	2002/0134811 A1	9/2002	Napier et al.
10,660,640 B2	5/2020	Yates et al.	2002/0143340 A1	10/2002	Kaneko
10,667,809 B2	6/2020	Bakos et al.	2003/0009193 A1	1/2003	Corsaro
10,667,810 B2	6/2020	Shelton, IV et al.	2003/0039689 A1	2/2003	Chen et al.
10,667,811 B2	6/2020	Harris et al.	2003/0078647 A1	4/2003	Vallana et al.

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2003/0084983	A1	5/2003	Rangachari et al.	2005/0182298	A1	8/2005	Ikeda et al.
2003/0093103	A1	5/2003	Malackowski et al.	2005/0187545	A1	8/2005	Hooven et al.
2003/0096158	A1	5/2003	Takano et al.	2005/0203550	A1	9/2005	Laufer et al.
2003/0139741	A1	7/2003	Goble et al.	2005/0216055	A1	9/2005	Scirica et al.
2003/0153908	A1	8/2003	Goble et al.	2005/0228224	A1	10/2005	Okada et al.
2003/0163085	A1	8/2003	Tanner et al.	2005/0240178	A1	10/2005	Morley et al.
2003/0181900	A1	9/2003	Long	2005/0245965	A1	11/2005	Orban, III et al.
2003/0195387	A1	10/2003	Kortenbach et al.	2005/0246881	A1	11/2005	Kelly et al.
2003/0205029	A1	11/2003	Chapolini et al.	2005/0256452	A1	11/2005	DeMarchi et al.
2003/0216732	A1	11/2003	Truckai et al.	2005/0261676	A1	11/2005	Hall et al.
2003/0236505	A1	12/2003	Bonadio et al.	2005/0263563	A1	12/2005	Racenet et al.
2004/0006335	A1	1/2004	Garrison	2005/0267455	A1	12/2005	Eggers et al.
2004/0006340	A1	1/2004	Latterell et al.	2005/0283188	A1	12/2005	Loshakove et al.
2004/0028502	A1	2/2004	Cummins	2006/0008787	A1	1/2006	Hayman et al.
2004/0030333	A1	2/2004	Goble	2006/0015009	A1	1/2006	Jaffe et al.
2004/0034357	A1	2/2004	Beane et al.	2006/0020258	A1	1/2006	Strauss et al.
2004/0044364	A1	3/2004	DeVries et al.	2006/0020336	A1	1/2006	Liddicoat
2004/0068161	A1	4/2004	Couvillon	2006/0025812	A1	2/2006	Shelton
2004/0068224	A1	4/2004	Couvillon et al.	2006/0041188	A1	2/2006	Dirusso et al.
2004/0068307	A1	4/2004	Goble	2006/0047275	A1	3/2006	Goble
2004/0070369	A1	4/2004	Sakakibara	2006/0049229	A1	3/2006	Milliman et al.
2004/0073222	A1	4/2004	Koseki	2006/0052824	A1	3/2006	Ransick et al.
2004/0078037	A1	4/2004	Batchelor et al.	2006/0052825	A1	3/2006	Ransick et al.
2004/0093024	A1	5/2004	Lousararian et al.	2006/0064086	A1	3/2006	Odom
2004/0098040	A1	5/2004	Taniguchi et al.	2006/0079735	A1	4/2006	Martone et al.
2004/0101822	A1	5/2004	Wiesner et al.	2006/0086032	A1	4/2006	Valencic et al.
2004/0102783	A1	5/2004	Sutterlin et al.	2006/0087746	A1	4/2006	Lipow
2004/0108357	A1	6/2004	Milliman et al.	2006/0089535	A1	4/2006	Raz et al.
2004/0110439	A1	6/2004	Chaikof et al.	2006/0100649	A1	5/2006	Hart
2004/0115022	A1	6/2004	Albertson et al.	2006/0173470	A1	8/2006	Oray et al.
2004/0116952	A1	6/2004	Sakurai et al.	2006/0180634	A1	8/2006	Shelton et al.
2004/0147909	A1	7/2004	Johnston et al.	2006/0185682	A1	8/2006	Marczyk
2004/0164123	A1	8/2004	Racenet et al.	2006/0201989	A1	9/2006	Ojeda
2004/0167572	A1	8/2004	Roth et al.	2006/0212071	A1	9/2006	Ginn et al.
2004/0181219	A1	9/2004	Goble et al.	2006/0235368	A1	10/2006	Oz
2004/0193189	A1	9/2004	Kortenbach et al.	2006/0252993	A1	11/2006	Freed et al.
2004/0199181	A1	10/2004	Knodel et al.	2006/0271102	A1	11/2006	Bosshard et al.
2004/0222268	A1	11/2004	Bilotti et al.	2006/0287576	A1	12/2006	Tsuji et al.
2004/0225186	A1	11/2004	Horne et al.	2006/0289602	A1	12/2006	Wales et al.
2004/0232201	A1	11/2004	Wenchell et al.	2006/0291981	A1	12/2006	Viola et al.
2004/0236352	A1	11/2004	Wang et al.	2007/0010838	A1	1/2007	Shelton et al.
2004/0243147	A1	12/2004	Lipow	2007/0026039	A1	2/2007	Drumheller et al.
2004/0243151	A1	12/2004	Demmy et al.	2007/0026040	A1	2/2007	Crawley et al.
2004/0243163	A1	12/2004	Casiano et al.	2007/0027468	A1	2/2007	Wales et al.
2004/0247415	A1	12/2004	Mangone	2007/0027551	A1	2/2007	Farnsworth et al.
2004/0254566	A1	12/2004	Plicchi et al.	2007/0049951	A1	3/2007	Menn
2004/0254590	A1	12/2004	Hoffman et al.	2007/0049966	A1	3/2007	Bonadio et al.
2004/0260315	A1	12/2004	Dell et al.	2007/0051375	A1	3/2007	Milliman
2004/0267310	A1	12/2004	Racenet et al.	2007/0073341	A1	3/2007	Smith et al.
2005/0010213	A1	1/2005	Stad et al.	2007/0078484	A1	4/2007	Talarico et al.
2005/0032511	A1	2/2005	Malone et al.	2007/0084897	A1	4/2007	Shelton et al.
2005/0033352	A1	2/2005	Zepf et al.	2007/0093869	A1	4/2007	Bloom et al.
2005/0054946	A1	3/2005	Krzyzanowski	2007/0102472	A1	5/2007	Shelton
2005/0059997	A1	3/2005	Bauman et al.	2007/0106113	A1	5/2007	Ravo
2005/0070929	A1	3/2005	Dalessandro et al.	2007/0106317	A1	5/2007	Shelton et al.
2005/0075561	A1	4/2005	Golden	2007/0134251	A1	6/2007	Ashkenazi et al.
2005/0080342	A1	4/2005	Gilreath et al.	2007/0135686	A1	6/2007	Pruitt et al.
2005/0085693	A1	4/2005	Belson et al.	2007/0135803	A1	6/2007	Belson
2005/0090817	A1	4/2005	Phan	2007/0155010	A1	7/2007	Farnsworth et al.
2005/0096605	A1	5/2005	Green et al.	2007/0170225	A1	7/2007	Shelton et al.
2005/0096683	A1	5/2005	Ellins et al.	2007/0173687	A1	7/2007	Shima et al.
2005/0124855	A1	6/2005	Jaffe et al.	2007/0173813	A1	7/2007	Odom
2005/0125897	A1	6/2005	Wyslucha et al.	2007/0175950	A1	8/2007	Shelton et al.
2005/0131173	A1	6/2005	McDaniel et al.	2007/0175951	A1	8/2007	Shelton et al.
2005/0131211	A1	6/2005	Bayley et al.	2007/0175955	A1	8/2007	Shelton et al.
2005/0131390	A1	6/2005	Heinrich et al.	2007/0190110	A1	8/2007	Pameijer et al.
2005/0131436	A1	6/2005	Johnston et al.	2007/0191868	A1	8/2007	Theroux et al.
2005/0131457	A1	6/2005	Douglas et al.	2007/0194079	A1	8/2007	Hueil et al.
2005/0137454	A1	6/2005	Saadat et al.	2007/0194082	A1	8/2007	Morgan et al.
2005/0137455	A1	6/2005	Ewers et al.	2007/0203510	A1	8/2007	Bettuchi
2005/0139636	A1	6/2005	Schwemberger et al.	2007/0208359	A1	9/2007	Hoffman
2005/0143759	A1	6/2005	Kelly	2007/0213750	A1	9/2007	Weadock
2005/0143769	A1	6/2005	White et al.	2007/0225562	A1	9/2007	Spivey et al.
2005/0154258	A1	7/2005	Tartaglia et al.	2007/0233163	A1	10/2007	Bombard et al.
2005/0154406	A1	7/2005	Bombard et al.	2007/0243227	A1	10/2007	Gertner
2005/0165419	A1	7/2005	Sauer et al.	2007/0244471	A1	10/2007	Malackowski
2005/0169974	A1	8/2005	Tenerz et al.	2007/0246505	A1	10/2007	Pace-Florida et al.
2005/0171522	A1	8/2005	Christopherson	2007/0275035	A1	11/2007	Herman et al.
2005/0177181	A1	8/2005	Kagan et al.	2007/0276409	A1	11/2007	Ortiz et al.

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2007/0279011 A1	12/2007	Jones et al.	2009/0275957 A1	11/2009	Harris et al.
2007/0286892 A1	12/2007	Herzberg et al.	2009/0292283 A1	11/2009	Odom
2008/0003196 A1	1/2008	Jonn et al.	2009/0308907 A1	12/2009	Nalagatla et al.
2008/0015598 A1	1/2008	Prommersberger	2009/0318957 A1	12/2009	Viola et al.
2008/0021278 A1	1/2008	Leonard et al.	2010/0016888 A1	1/2010	Calabrese et al.
2008/0029570 A1	2/2008	Shelton et al.	2010/0023024 A1	1/2010	Zeiner et al.
2008/0029573 A1	2/2008	Shelton et al.	2010/0023052 A1	1/2010	Heinrich et al.
2008/0029574 A1	2/2008	Shelton et al.	2010/0036370 A1	2/2010	Mirel et al.
2008/0029575 A1	2/2008	Shelton et al.	2010/0069942 A1	3/2010	Shelton, IV
2008/0030170 A1	2/2008	Dacquay et al.	2010/0076483 A1	3/2010	Imuta
2008/0051833 A1	2/2008	Gramuglia et al.	2010/0076489 A1	3/2010	Stopek et al.
2008/0065153 A1 *	3/2008	Allard A61B 17/0644 606/219	2010/0100124 A1	4/2010	Calabrese et al.
2008/0078802 A1	4/2008	Hess et al.	2010/0133316 A1	6/2010	Lizee et al.
2008/0082114 A1	4/2008	McKenna et al.	2010/0133317 A1	6/2010	Shelton, IV et al.
2008/0082125 A1	4/2008	Murray et al.	2010/0145146 A1	6/2010	Melder
2008/0082126 A1	4/2008	Murray et al.	2010/0147921 A1	6/2010	Olson
2008/0085296 A1	4/2008	Powell et al.	2010/0147922 A1	6/2010	Olson
2008/0086078 A1	4/2008	Powell et al.	2010/0179022 A1	7/2010	Shirokoshi
2008/0091072 A1	4/2008	Omori et al.	2010/0191262 A1	7/2010	Harris et al.
2008/0108443 A1	5/2008	Jinno et al.	2010/0193566 A1	8/2010	Scheib et al.
2008/0128469 A1	6/2008	Dalessandro et al.	2010/0204717 A1	8/2010	Knodel
2008/0129253 A1	6/2008	Shiue et al.	2010/0222901 A1	9/2010	Swayze et al.
2008/0135600 A1	6/2008	Hiranuma et al.	2010/0249497 A1	9/2010	Peine et al.
2008/0140115 A1	6/2008	Stopek	2010/0267662 A1	10/2010	Fielder et al.
2008/0154299 A1	6/2008	Livneh	2010/0274160 A1	10/2010	Yachi et al.
2008/0169328 A1	7/2008	Shelton	2010/0292540 A1	11/2010	Hess et al.
2008/0169332 A1	7/2008	Shelton et al.	2010/0298636 A1	11/2010	Castro et al.
2008/0169333 A1	7/2008	Shelton et al.	2010/0312261 A1	12/2010	Suzuki et al.
2008/0172087 A1	7/2008	Fuchs et al.	2010/0318085 A1	12/2010	Austin et al.
2008/0190989 A1	8/2008	Crews et al.	2010/0331856 A1	12/2010	Carlson et al.
2008/0197167 A1	8/2008	Viola et al.	2011/0006101 A1	1/2011	Hall et al.
2008/0200762 A1	8/2008	Stokes et al.	2011/0011916 A1	1/2011	Levine
2008/0200835 A1	8/2008	Monson et al.	2011/0022032 A1	1/2011	Zemlok et al.
2008/0200933 A1	8/2008	Bakos et al.	2011/0024477 A1	2/2011	Hall
2008/0249536 A1	10/2008	Stahler et al.	2011/0024478 A1	2/2011	Shelton, IV
2008/0255413 A1	10/2008	Zemlok et al.	2011/0036891 A1	2/2011	Zemlok et al.
2008/0262654 A1	10/2008	Omori et al.	2011/0046667 A1	2/2011	Culligan et al.
2008/0287944 A1	11/2008	Pearson et al.	2011/0060363 A1	3/2011	Hess et al.
2008/0294179 A1	11/2008	Balbierz et al.	2011/0082485 A1	4/2011	Nohilly et al.
2008/0296346 A1	12/2008	Shelton, IV et al.	2011/0082538 A1	4/2011	Dahlgren et al.
2008/0297287 A1	12/2008	Shachar et al.	2011/0087276 A1	4/2011	Bedi et al.
2008/0308602 A1	12/2008	Timm et al.	2011/0091515 A1	4/2011	Zilberman et al.
2008/0308603 A1	12/2008	Shelton et al.	2011/0114697 A1	5/2011	Baxter, III et al.
2008/0315829 A1	12/2008	Jones et al.	2011/0125176 A1	5/2011	Yates et al.
2009/0001121 A1	1/2009	Hess et al.	2011/0137340 A1	6/2011	Cummins
2009/0001130 A1	1/2009	Hess et al.	2011/0147433 A1	6/2011	Shelton, IV et al.
2009/0004455 A1	1/2009	Gravagna et al.	2011/0163146 A1	7/2011	Ortiz et al.
2009/0005809 A1	1/2009	Hess et al.	2011/0174861 A1	7/2011	Shelton, IV et al.
2009/0012534 A1	1/2009	Madhani et al.	2011/0192882 A1	8/2011	Hess et al.
2009/0020958 A1	1/2009	Soul	2011/0275901 A1	11/2011	Shelton, IV
2009/0048589 A1	2/2009	Takashino et al.	2011/0276083 A1	11/2011	Shelton, IV et al.
2009/0076506 A1	3/2009	Baker	2011/0278343 A1	11/2011	Knodel et al.
2009/0078736 A1	3/2009	Van Lue	2011/0290856 A1	12/2011	Shelton, IV et al.
2009/0081313 A1	3/2009	Aghion et al.	2011/0293690 A1	12/2011	Griffin et al.
2009/0090763 A1	4/2009	Zemlok et al.	2011/0295295 A1	12/2011	Shelton, IV et al.
2009/0099579 A1	4/2009	Nentwick et al.	2011/0313894 A1	12/2011	Dye et al.
2009/0099876 A1	4/2009	Whitman	2011/0315413 A1	12/2011	Fisher et al.
2009/0119011 A1	5/2009	Kondo et al.	2012/0004636 A1	1/2012	Lo
2009/0143855 A1	6/2009	Weber et al.	2012/0016413 A1	1/2012	Timm et al.
2009/0149871 A9	6/2009	Kagan et al.	2012/0029272 A1	2/2012	Shelton, IV et al.
2009/0171147 A1	7/2009	Lee et al.	2012/0074200 A1	3/2012	Schmid et al.
2009/0177201 A1	7/2009	Soltz et al.	2012/0080336 A1	4/2012	Shelton, IV et al.
2009/0177226 A1	7/2009	Reinprecht et al.	2012/0080344 A1	4/2012	Shelton, IV
2009/0188964 A1	7/2009	Orlov	2012/0080478 A1	4/2012	Morgan et al.
2009/0198272 A1	8/2009	Kerver et al.	2012/0080497 A1	4/2012	White et al.
2009/0204108 A1	8/2009	Steffen	2012/0080498 A1	4/2012	Shelton, IV et al.
2009/0206125 A1	8/2009	Huitema et al.	2012/0109186 A1	5/2012	Parrott et al.
2009/0206126 A1	8/2009	Huitema et al.	2012/0125792 A1	5/2012	Cassivi
2009/0206131 A1	8/2009	Weisenburgh, II et al.	2012/0130421 A1	5/2012	Hafez et al.
2009/0206133 A1	8/2009	Morgan et al.	2012/0175398 A1	7/2012	Sandborn et al.
2009/0206137 A1	8/2009	Hall et al.	2012/0234895 A1	9/2012	O'Connor et al.
2009/0206139 A1	8/2009	Hall et al.	2012/0234897 A1	9/2012	Shelton, IV et al.
2009/0206141 A1	8/2009	Huitema et al.	2012/0248169 A1	10/2012	Widenhouse et al.
2009/0206142 A1	8/2009	Huitema et al.	2012/0283707 A1	11/2012	Giordano et al.
2009/0242610 A1	10/2009	Shelton, IV et al.	2012/0289979 A1	11/2012	Eskaros et al.
2009/0247901 A1	10/2009	Zimmer	2012/0292367 A1	11/2012	Morgan et al.
2009/0255974 A1	10/2009	Viola	2012/0298722 A1	11/2012	Hess et al.
2009/0270895 A1	10/2009	Churchill et al.	2013/0006227 A1	1/2013	Takash I No
			2013/0012983 A1	1/2013	Kleyman

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2013/0020375	A1	1/2013	Shelton, IV et al.	2015/0173789	A1	6/2015	Baxter, III et al.
2013/0020376	A1	1/2013	Shelton, IV et al.	2015/0196295	A1	7/2015	Shelton, IV et al.
2013/0023861	A1	1/2013	Shelton, IV et al.	2015/0196296	A1	7/2015	Swayze et al.
2013/0026208	A1	1/2013	Shelton, IV et al.	2015/0196299	A1	7/2015	Swayze et al.
2013/0026210	A1	1/2013	Shelton, IV et al.	2015/0201932	A1	7/2015	Swayze et al.
2013/0030462	A1	1/2013	Keating et al.	2015/0201936	A1	7/2015	Swayze et al.
2013/0041406	A1	2/2013	Bear et al.	2015/0201937	A1	7/2015	Swayze et al.
2013/0087597	A1	4/2013	Shelton, IV et al.	2015/0201938	A1	7/2015	Swayze et al.
2013/0098970	A1	4/2013	Racenet et al.	2015/0201939	A1	7/2015	Swayze et al.
2013/0116669	A1	5/2013	Shelton, IV et al.	2015/0201940	A1	7/2015	Swayze et al.
2013/0131651	A1	5/2013	Strobl et al.	2015/0201941	A1	7/2015	Swayze et al.
2013/0153641	A1	6/2013	Shelton, IV et al.	2015/0231409	A1	8/2015	Racenet et al.
2013/0175317	A1	7/2013	Yates et al.	2015/0272557	A1	10/2015	Overmyer et al.
2013/0214025	A1	8/2013	Zemlok et al.	2015/0272571	A1	10/2015	Leimbach et al.
2013/0233906	A1	9/2013	Hess et al.	2015/0272580	A1	10/2015	Leimbach et al.
2013/0256373	A1	10/2013	Schmid et al.	2015/0272582	A1	10/2015	Leimbach et al.
2013/0256380	A1	10/2013	Schmid et al.	2015/0297222	A1	10/2015	Huitema et al.
2013/0261661	A1	10/2013	Piraka	2015/0297223	A1	10/2015	Huitema et al.
2013/0270322	A1	10/2013	Scheib et al.	2015/0297225	A1	10/2015	Huitema et al.
2013/0317305	A1	11/2013	Stevenson et al.	2015/0297228	A1	10/2015	Huitema et al.
2013/0334280	A1	12/2013	Krehel et al.	2015/0297233	A1	10/2015	Huitema et al.
2013/0334283	A1	12/2013	Swayze et al.	2015/0313594	A1	11/2015	Shelton, IV et al.
2013/0334285	A1	12/2013	Swayze et al.	2015/0324317	A1	11/2015	Collins et al.
2013/0341374	A1	12/2013	Shelton, IV et al.	2015/0374378	A1	12/2015	Giordano et al.
2014/0001231	A1	1/2014	Shelton, IV et al.	2016/0000431	A1	1/2016	Giordano et al.
2014/0001234	A1	1/2014	Shelton, IV et al.	2016/0000437	A1	1/2016	Giordano et al.
2014/0005640	A1	1/2014	Shelton, IV et al.	2016/0000452	A1	1/2016	Yates et al.
2014/0005678	A1	1/2014	Shelton, IV et al.	2016/0000453	A1	1/2016	Yates et al.
2014/0005702	A1	1/2014	Timm et al.	2016/0066913	A1	3/2016	Swayze et al.
2014/0005718	A1	1/2014	Shelton, IV et al.	2016/0074040	A1	3/2016	Widenhouse et al.
2014/0014705	A1	1/2014	Baxter, III	2016/0120545	A1	5/2016	Shelton, IV et al.
2014/0018832	A1	1/2014	Shelton, IV	2016/0183939	A1	6/2016	Shelton, IV et al.
2014/0039549	A1	2/2014	Belsky et al.	2016/0183943	A1	6/2016	Shelton, IV
2014/0041191	A1	2/2014	Knodel	2016/0183944	A1	6/2016	Swensgard et al.
2014/0048580	A1	2/2014	Merchant et al.	2016/0199063	A1	7/2016	Mandakolathur Vasudevan et al.
2014/0103098	A1	4/2014	Choi et al.	2016/0199956	A1	7/2016	Shelton, IV et al.
2014/0151433	A1	6/2014	Shelton, IV et al.	2016/0235494	A1	8/2016	Shelton, IV et al.
2014/0158747	A1	6/2014	Measamer et al.	2016/0242783	A1	8/2016	Shelton, IV et al.
2014/0166724	A1	6/2014	Schellin et al.	2016/0249910	A1	9/2016	Shelton, IV et al.
2014/0166725	A1	6/2014	Schellin et al.	2016/0249922	A1	9/2016	Morgan et al.
2014/0166726	A1	6/2014	Schellin et al.	2016/0256229	A1	9/2016	Morgan et al.
2014/0175152	A1	6/2014	Hess et al.	2016/0262745	A1	9/2016	Morgan et al.
2014/0188159	A1	7/2014	Steege	2017/0027572	A1	2/2017	Nalagatla et al.
2014/0224857	A1	8/2014	Schmid	2017/0056000	A1*	3/2017	Nalagatla A61B 17/0644
2014/0243865	A1	8/2014	Swayze et al.	2017/0056002	A1*	3/2017	Nalagatla A61B 17/0644
2014/0246475	A1	9/2014	Hall et al.	2017/0056005	A1*	3/2017	Shelton, IV A61B 17/068
2014/0248167	A1	9/2014	Sugimoto et al.	2017/0105727	A1	4/2017	Scheib et al.
2014/0249557	A1	9/2014	Koch et al.	2017/0105733	A1	4/2017	Scheib et al.
2014/0263541	A1	9/2014	Leimbach et al.	2017/0224332	A1	8/2017	Hunter et al.
2014/0263552	A1	9/2014	Hall et al.	2017/0224334	A1	8/2017	Worthington et al.
2014/0263558	A1	9/2014	Hausen et al.	2017/0231627	A1	8/2017	Shelton, IV et al.
2014/0284371	A1	9/2014	Morgan et al.	2017/0231628	A1	8/2017	Shelton, IV et al.
2014/0291379	A1	10/2014	Schellin et al.	2017/0281171	A1	10/2017	Shelton, IV et al.
2014/0291383	A1	10/2014	Spivey et al.	2017/0281173	A1	10/2017	Shelton, IV et al.
2014/0299648	A1	10/2014	Shelton, IV et al.	2017/0281186	A1	10/2017	Shelton, IV et al.
2014/0303645	A1	10/2014	Morgan et al.	2017/0281189	A1	10/2017	Nalagatla et al.
2014/0330161	A1	11/2014	Swayze et al.	2017/0360423	A1	12/2017	Stevenson et al.
2015/0008248	A1	1/2015	Giordano et al.	2017/0367695	A1*	12/2017	Shelton, IV A61B 17/0644
2015/0053737	A1	2/2015	Leimbach et al.	2018/0110517	A1	4/2018	Baxter, III et al.
2015/0053743	A1	2/2015	Yates et al.	2018/0168575	A1	6/2018	Simms et al.
2015/0053746	A1	2/2015	Shelton, IV et al.	2018/0168577	A1	6/2018	Aronhalt et al.
2015/0053748	A1	2/2015	Yates et al.	2018/0168578	A1	6/2018	Aronhalt et al.
2015/0060518	A1	3/2015	Shelton, IV et al.	2018/0168579	A1	6/2018	Aronhalt et al.
2015/0060519	A1	3/2015	Shelton, IV et al.	2018/0168584	A1	6/2018	Harris et al.
2015/0060520	A1	3/2015	Shelton, IV et al.	2018/0168590	A1	6/2018	Overmyer et al.
2015/0060521	A1	3/2015	Weisenburgh, II et al.	2018/0168592	A1	6/2018	Overmyer et al.
2015/0076208	A1	3/2015	Shelton, IV	2018/0168597	A1	6/2018	Fanelli et al.
2015/0076209	A1	3/2015	Shelton, IV et al.	2018/0168598	A1	6/2018	Shelton, IV et al.
2015/0076210	A1	3/2015	Shelton, IV et al.	2018/0168608	A1	6/2018	Shelton, IV et al.
2015/0076212	A1	3/2015	Shelton, IV	2018/0168609	A1	6/2018	Fanelli et al.
2015/0083781	A1	3/2015	Giordano et al.	2018/0168610	A1	6/2018	Shelton, IV et al.
2015/0083782	A1	3/2015	Scheib et al.	2018/0168614	A1	6/2018	Shelton, IV et al.
2015/0090760	A1	4/2015	Giordano et al.	2018/0168615	A1	6/2018	Shelton, IV et al.
2015/0090762	A1	4/2015	Giordano et al.	2018/0168618	A1	6/2018	Scott et al.
2015/0144679	A1	5/2015	Scirica et al.	2018/0168619	A1	6/2018	Scott et al.
2015/0150620	A1	6/2015	Miyamoto et al.	2018/0168623	A1	6/2018	Simms et al.
2015/0173749	A1*	6/2015	Shelton, IV A61B 17/0644	2018/0168625	A1	6/2018	Posada et al.
			606/219	2018/0168633	A1	6/2018	Shelton, IV et al.
2015/0173756	A1	6/2015	Baxter, III et al.	2018/0168647	A1*	6/2018	Shelton, IV A61B 17/064

US D948,043 S

Page 26

2018/0168648	A1 *	6/2018	Shelton, IV	A61B 17/0644	EP	1080694	A1	3/2001
2018/0168649	A1	6/2018	Shelton, IV et al.		EP	1090592	A1	4/2001
2018/0168650	A1 *	6/2018	Shelton, IV	A61B 17/064	EP	1095627	A1	5/2001
2019/0105047	A1 *	4/2019	Nalagatla	A61B 17/064	EP	0806914	B1	9/2001
2019/0150927	A1	5/2019	Aranyi et al.		EP	1284120	A1	2/2003
2019/0261992	A1 *	8/2019	Shelton, IV	A61B 17/0644	EP	0869742	B1	5/2003
2019/0269402	A1	9/2019	Murray et al.		EP	1374788	A1	1/2004
2019/0290279	A1	9/2019	Harris et al.		EP	1407719	A2	4/2004
2019/0328390	A1	10/2019	Harris et al.		EP	0996378	B1	6/2004
2019/0343526	A1	11/2019	Harris et al.		EP	1157666	B1	9/2005
2019/0388093	A1 *	12/2019	Shelton, IV	A61B 17/0644	EP	0880338	B1	10/2005
2020/0015822	A1	1/2020	Marczyk et al.		EP	1158917	B1	11/2005
2020/0046355	A1	2/2020	Harris et al.		EP	1344498	B1	11/2005
2020/0046356	A1 *	2/2020	Baxter, III	A61B 17/0644	EP	1330989	B1	12/2005
2020/0069308	A1	3/2020	Baxter, III et al.		EP	1632191	A2	3/2006
2020/0085425	A1	3/2020	Baxter, III et al.		EP	1082944	B1	5/2006
2020/0222043	A1	7/2020	Baxter, III et al.		EP	1253866	B1	7/2006
2020/0222044	A1	7/2020	Baxter, III et al.		EP	1285633	B1	12/2006
2020/0345352	A1	11/2020	Shelton, IV et al.		EP	1011494	B1	1/2007
2020/0390442	A1	12/2020	Shelton, IV et al.		EP	1767163	A1	3/2007
2021/0068816	A1	3/2021	Baxter, III et al.		EP	1837041	A1	9/2007
2021/0068834	A1	3/2021	Shelton, IV et al.		EP	0922435	B1	10/2007

FOREIGN PATENT DOCUMENTS

AU	2011218702	B2	6/2013		EP	1599146	B1	10/2007
AU	2012200178	B2	7/2013		EP	1330201	B1	6/2008
CA	2813230	A1	4/2012		EP	2039302	A2	3/2009
CA	2834501	A1	11/2012		EP	1719461	B1	6/2009
CA	2795323	A1	5/2014		EP	1769754	B1	6/2010
CN	1163558	A	10/1997		EP	1627605	B1	12/2010
CN	2488482	Y	5/2002		EP	2316345	A1	5/2011
CN	1634601	A	7/2005		EP	1936253	B1	10/2011
CN	2716900	Y	8/2005		EP	2486862	A2	8/2012
CN	2738962	Y	11/2005		EP	2517638	A1	10/2012
CN	2868212	Y	2/2007		EP	2649948	A1	10/2013
CN	201617885	U	11/2010		EP	2649949	A1	10/2013
CN	201949071	U	8/2011		EP	2713902	A1	4/2014
CN	101779977	B	12/2011		EP	2621364	B1	6/2017
CN	202397539	U	8/2012		FR	459743	A	11/1913
CN	202526242	U	11/2012		FR	999646	A	2/1952
CN	202982106	U	6/2013		FR	1112936	A	3/1956
CN	103717151	A	4/2014		FR	2598905	A1	11/1987
CN	203777011	U	8/2014		FR	2765794	A1	1/1999
DE	273689	C	5/1914		FR	2815842	A1	5/2002
DE	1775926	A	1/1972		GB	939929	A	10/1963
DE	3036217	A1	4/1982		GB	1210522	A	10/1970
DE	3210466	A1	9/1983		GB	1217159	A	12/1970
DE	3709067	A1	9/1988		GB	1339394	A	12/1973
DE	19851291	A1	1/2000		GB	2024012	A	1/1980
DE	19924311	A1	11/2000		GB	2109241	A	6/1983
DE	20016423	U1	2/2001		GB	2272159	A	5/1994
DE	20112837	U1	10/2001		GB	2336214	A	10/1999
DE	20121753	U1	4/2003		GR	930100110	A	11/1993
DE	202004012389	U1	9/2004		JP	S4711908	Y1	5/1972
DE	10314072	A1	10/2004		JP	S56112235	A	9/1981
DE	202007003114	U1	6/2007		JP	S62170011	U	10/1987
EP	0000756	A1	2/1979		JP	H04215747	A	8/1992
EP	0122046	A1	10/1984		JP	H04131860	U	12/1992
EP	0129442	B1	11/1987		JP	H0584252	A	4/1993
EP	0169044	B1	6/1991		JP	H05123325	A	5/1993
EP	0548998	A1	6/1993		JP	H05237126	A	9/1993
EP	0594148	A1	4/1994		JP	H0630945	A	2/1994
EP	0646357	A1	4/1995		JP	H06237937	A	8/1994
EP	0505036	B1	5/1995		JP	H06327684	A	11/1994
EP	0669104	A1	8/1995		JP	H079622	U	2/1995
EP	0705571	A1	4/1996		JP	H07124166	A	5/1995
EP	0528478	B1	5/1996		JP	H07255735	A	10/1995
EP	0770355	A1	5/1997		JP	H07285089	A	10/1995
EP	0625335	B1	11/1997		JP	H08159124	A	6/1996
EP	0879742	A1	11/1998		JP	H08164141	A	6/1996
EP	0650701	B1	3/1999		JP	H08182684	A	7/1996
EP	0923907	A1	6/1999		JP	H08507708	A	8/1996
EP	0484677	B2	7/2000		JP	H08229050	A	9/1996
EP	1034747	A1	9/2000		JP	H10118090	A	5/1998
EP	1034748	A1	9/2000		JP	2000014632	A	1/2000
EP	1053719	A1	11/2000		JP	2000033071	A	2/2000
EP	1055399	A1	11/2000		JP	2000112002	A	4/2000
EP	1055400	A1	11/2000		JP	2000166932	A	6/2000
					JP	2000171730	A	6/2000
					JP	2000287987	A	10/2000
					JP	2000325303	A	11/2000

US D948,043 S

Page 27

JP	2001087272	A	4/2001
JP	2001514541	A	9/2001
JP	2001276091	A	10/2001
JP	2002051974	A	2/2002
JP	2002085415	A	3/2002
JP	2002143078	A	5/2002
JP	2002528161	A	9/2002
JP	2002314298	A	10/2002
JP	2003135473	A	5/2003
JP	2003521301	A	7/2003
JP	2003300416	A	10/2003
JP	2004147701	A	5/2004
JP	2004162035	A	6/2004
JP	2004229976	A	8/2004
JP	2005013573	A	1/2005
JP	2005080702	A	3/2005
JP	2005131163	A	5/2005
JP	2005131164	A	5/2005
JP	2005131173	A	5/2005
JP	2005131211	A	5/2005
JP	2005131212	A	5/2005
JP	2005137423	A	6/2005
JP	2005328882	A	12/2005
JP	2005335432	A	12/2005
JP	2005342267	A	12/2005
JP	2006187649	A	7/2006
JP	2006281405	A	10/2006
JP	2006346445	A	12/2006
JP	2009507526	A	2/2009
JP	2009189838	A	8/2009
JP	2009539420	A	11/2009
JP	2010069310	A	4/2010
JP	2010098844	A	4/2010
JP	2011524199	A	9/2011
JP	2013541982	A	11/2013
JP	2013541993	A	11/2013
JP	2013542000	A	11/2013
KR	20110003229	A	1/2011
RU	2008830	C1	3/1994
RU	2052979	C1	1/1996
RU	94026118	A	7/1996
RU	94014586	A	11/1996
RU	2098025	C1	12/1997
RU	2141279	C1	11/1999
RU	2144791	C1	1/2000
RU	2152756	C1	7/2000
RU	2161450	C1	1/2001
RU	2181566	C2	4/2002
RU	2187249	C2	8/2002
RU	32984	U1	10/2003
RU	2225170	C2	3/2004
RU	42750	U1	12/2004
RU	2242183	C2	12/2004
RU	46916	U1	8/2005
RU	2290884	C1	1/2007
RU	61114	U1	2/2007
SU	189517	A	1/1967
SU	328636	A	9/1972
SU	674747	A1	7/1979
SU	1009439	A	4/1983
SU	1333319	A2	8/1987
SU	1377053	A1	2/1988
SU	1509051	A1	9/1989
SU	1561964	A1	5/1990
SU	1708312	A1	1/1992
SU	1722476	A1	3/1992
SU	1752361	A1	8/1992
SU	1814161	A1	5/1993
WO	WO-9315648	A1	8/1993
WO	WO-9420030	A1	9/1994
WO	WO-9517855	A1	7/1995
WO	WO-9520360	A1	8/1995
WO	WO-9623448	A1	8/1996
WO	WO-9635464	A1	11/1996
WO	WO-9639086	A1	12/1996
WO	WO-9639088	A1	12/1996
WO	WO-9724073	A1	7/1997
WO	WO-9734533	A1	9/1997
WO	WO-9903407	A1	1/1999

WO	WO-9903409	A1	1/1999
WO	WO-9948430	A1	9/1999
WO	WO-0024322	A1	5/2000
WO	WO-0024330	A1	5/2000
WO	WO-0053112	A2	9/2000
WO	WO-0057796	A1	10/2000
WO	WO-0105702	A1	1/2001
WO	WO-0154594	A1	8/2001
WO	WO-0158371	A1	8/2001
WO	WO-0162164	A2	8/2001
WO	WO-0162169	A2	8/2001
WO	WO-0191646	A1	12/2001
WO	WO-0219932	A1	3/2002
WO	WO-0226143	A1	4/2002
WO	WO-0236028	A1	5/2002
WO	WO-02065933	A2	8/2002
WO	WO-03055402	A1	7/2003
WO	WO-03094747	A1	11/2003
WO	WO-03079909	A3	3/2004
WO	WO-2004019803	A1	3/2004
WO	WO-2004032783	A1	4/2004
WO	WO-2004047626	A1	6/2004
WO	WO-2004047653	A2	6/2004
WO	WO-2004056277	A1	7/2004
WO	WO-2004078050	A2	9/2004
WO	WO-2004078051	A2	9/2004
WO	WO-2004096015	A2	11/2004
WO	WO-2006044581	A2	4/2006
WO	WO-2006051252	A1	5/2006
WO	WO-2006059067	A1	6/2006
WO	WO-2006085389	A1	8/2006
WO	WO-2007074430	A1	7/2007
WO	WO-2007129121	A1	11/2007
WO	WO-2007137304	A2	11/2007
WO	WO-2007142625	A2	12/2007
WO	WO-2008021969	A2	2/2008
WO	WO-2008089404	A2	7/2008
WO	WO-2009005969	A2	1/2009
WO	WO-2009067649	A2	5/2009
WO	WO-2009091497	A2	7/2009
WO	WO-2011008672	A2	1/2011
WO	WO-2011044343	A2	4/2011
WO	WO-2012006306	A2	1/2012
WO	WO-2012013577	A1	2/2012
WO	WO-2012044606	A2	4/2012
WO	WO-2012166503	A1	12/2012
WO	WO-2013151888	A1	10/2013
WO	WO-2015153340	A2	10/2015

OTHER PUBLICATIONS

Biomedical Coatings, Fort Wayne Metals, Research Products Corporation, obtained online at www.fwmetals.com on Jun. 21, 2010 (1 page).

Indian Standard: Automotive Vehicles—Brakes and Braking Systems (IS 11852-1:2001), Mar. 1, 2001.

Allegro MicroSystems, LLC, Automotive Full Bridge MOSFET Driver, A3941-DS, Rev. 5, 21 pages, <http://www.allegromicro.com/~media/Files/Datasheets/A3941-Datasheet.ashx?la=en>.

Anonymous: “Stamping (metalworking)—Wikipedia,” Jun. 6, 2016, Retrieved from the Internet: URL: [https://en.Wikipedia.org/w/index.php?title=Stamping_\(metalworking\)&oldid=723906245](https://en.Wikipedia.org/w/index.php?title=Stamping_(metalworking)&oldid=723906245) [retrieved on May 15, 2018].

ASTM procedure D2240-00, “Standard Test Method for Rubber Property-Durometer Hardness,” (Published Aug. 2000).

ASTM procedure D2240-05, “Standard Test Method for Rubber Property-Durometer Hardness,” (Published Apr. 2010).

B.R. Coolman, DVM, MS et al., “Comparison of Skin Staples With Sutures for Anastomosis of the Small Intestine in Dogs,” Abstract; <http://www.blackwell-synergy.com/doi/abs/10.1053/jvet.2000.7539?cookieSet=1&journalCode=vsu> which redirects to <http://www3.interscience.wiley.com/journal/119040681/abstract?CRETRY=1&SRETRY=0>; [online] accessed: Sep. 22, 2008 (2 pages).

Brar et al., “Investigation of the mechanical and degradation properties of Mg—Sr and Mg—Zn—Sr alloys for use as potential biodegradable implant materials,” J. Mech. Behavior of Biomed. Mater. 7(2012) pp. 87-95.

Breedveld et al., "A New, Easily Miniaturized Sterrable Endoscope," IEEE Engineering in Medicine and Biology Magazine (Nov./Dec. 2005).

Byrne et al., "Molecular Imprinting Within Hydrogels," Advanced Drug Delivery Reviews, 54 (2002) pp. 149-161.

C.C. Thompson et al., "Peroral Endoscopic Reduction of Dilated Gastrojejunal Anastomosis After Roux-en-Y Gastric Bypass: A Possible New Option for Patients with Weight Regain," Surg Endosc (2006) vol. 20., pp. 1744-1748.

Chen et al., "Elastomeric Biomaterials for Tissue Engineering," Progress in Polymer Science 38 (2013), pp. 584-671.

Covidien Brochure, "Endo GIA™ Curved Tip Reload with Tri-Staple™ Technology," (2012), 2 pages.

Covidien Brochure, "Endo GIA™ Reloads with Tri-Staple™ Technology and Endo GIA™ Ultra Universal Staplers," (2010), 2 pages.

Covidien Brochure, "Endo GIA™ Reloads with Tri-Staple™ Technology," (2010), 1 page.

Covidien Brochure, "Endo GIA™ Reloads with Tri-Staple™ Technology," (2010), 2 pages.

Covidien Brochure, "Endo GIA™ Black Reload with Tri-Staple™ Technology," (2012), 2 pages.

Covidien Brochure, "Endo GIA™ Ultra Universal Stapler," (2010), 2 pages.

Covidien iDrive™ Ultra Powered Stapling System brochure, "The Power of iDrive™ Ultra Powered Stapling System and Tri-Staple™ Technology," (23 pages).

D. Tuite, Ed., "Get The Lowdown On Ultracapacitors," Nov. 15, 2007; [online] URL: <http://electronicdesign.com/Articles/Print.cfm?ArticleID=17465>, accessed Jan. 15, 2008 (5 pages).

Datasheet for Panasonic TK Relays Ultra Low Profile 2 A Polarized Relay, Copyright Matsushita Electric Works, Ltd. (Known of at least as early as Aug. 17, 2010), 5 pages.

Disclosed Anonymously, "Motor-Driven Surgical Stapler Improvements," Research Disclosure Database No. 526041, Published: Feb. 2008.

Ebara, "Carbohydrate-Derived Hydrogels and Microgels," Engineered Carbohydrate-Based Materials for Biomedical Applications: Polymers, Surfaes, Dendrimers, Nanoparticles, and Hydrogels, Edited by Ravin Narain, 2011, pp. 337-345.

Erdmann et al., "Evaluation of the Soft Tissue Biocompatibility Of MgCa0.8 and Surgical Steel 316L In Vivo: A Comparative Study in Rabbits," Biomed. Eng. OnLine 2010 9:63 (17 pages).

Fast, Versatile Blackfin Processors Handle Advanced RFID Reader Applications; Analog Dialogue: vol. 40—Sep. 2006; <http://www.analog.com/library/analogDialogue/archives/40-09/rfid.pdf>; Wayback Machine to Feb. 15, 2012.

Hoffman, "Hydrogels for Biomedical Applications," Advanced Drug Delivery Reviews, 43 (2002) pp. 3-12.

Hoffman, "Hydrogels for Biomedical Applications," Advanced Drug Delivery Reviews, 54 (2002) pp. 3-12.

<http://ninpgan.net/publications/51-100/89.pdf>; 2004, Ning Pan, On Uniqueness of Fibrous Materials, Design & Nature II. Eds: Colins, M. and Brebbia, C. WIT Press, Boston, 493-504.

Jeong et al., "Thermosensitive Sol-Gel Reversible Hydrogels," Advanced Drug Delivery Reviews, 54 (2002) pp. 37-51.

Li et al. "Mg—Zr—Sr Alloys as Biodegradable Implant Materials," Acta Biomaterialia 8 (2012) 3177-3188 (12 pages).

Matsuda, "Thermodynamics of Formation of Porous Polymeric Membrane from Solutions," Polymer Journal, vol. 23, No. 5, pp. 435-444 (1991).

Miyata et al., "Biomolecule-Sensitive Hydrogels," Advanced Drug Delivery Reviews, 54 (2002) pp. 79-98.

Pellicer et al. "On the biodegradability, mechanical behavior, and cytocompatibility of amorphous Mg72Zn23Ca5 and crystalline Mg70Zn23Ca5Pd2 alloys as temporary implant materials," J Biomed Mater Res Part A, 2013:101A:502-517.

Peppas, "Physiologically Responsive Hydrogels," Journal of Bioactive and Compatible Polymers, vol. 6 (Jul. 1991) pp. 241-246.

Peppas, Editor "Hydrogels in Medicine and Pharmacy," vol. I, Fundamentals, CRC Press, 1986.

Pitt et al., "Attachment of Hyaluronan to Metallic Surfaces," J. Biomed. Mater. Res. 68A: pp. 95-106, 2004.

Qiu et al., "Environment-Sensitive Hydrogels for Drug Delivery," Advanced Drug Delivery Reviews, 53 (2001) pp. 321-339.

Schellhammer et al., "Poly-Lactic-Acid for Coating of Endovascular Stents: Preliminary Results in Canine Experimental Av-Fistulae," Mat.-wiss. u. Werkstofftech., 32, pp. 193-199 (2001).

Serial Communication Protocol; Michael Lemmon Feb. 1, 2009; <http://www3.nd.edu/~lemmon/courses/ee224/web-manual/web-manual/lab12/node2.html>; Wayback Machine to Apr. 29, 2012.

Solorio et al., "Gelatin Microspheres Crosslinked with Genipin for Local Delivery of Growth Factors," J. Tissue Eng. Regen. Med. (2010), 4(7): pp. 514-523.

The Sodem Aseptic Battery Transfer Kit, Sodem Systems, 2000, 3 pages.

Van Meer et al., "A Disposable Plastic Compact Wrist for Smart Minimally Invasive Surgical Tools," LAAS/CNRS (Aug. 2005).

Yan et al., Comparison of the effects of Mg—6Zn and Ti-3Al-2.5V alloys on TGF-β/TNF-α/VEGF/b-FGF in the healing of the intestinal track in vivo, Biomed. Mater. 9 (2014), 11 pages.

Yan et al., "Comparison of the effects of Mg—6Zn and titanium on intestinal tract in vivo," J Mater Sci: Mater Med (2013), 11 pages.

Young, "Microcellular foams via phase separation," Journal of Vacuum Science & Technology A 4(3), (May/Jun. 1986).

* cited by examiner

Primary Examiner — Wan Laymon

(57)

CLAIM

The ornamental design for a surgical fastener, as shown and described.

DESCRIPTION

The Applicant of the present application owns the following U.S. Design Patent Applications that were filed on Jun. 24, 2016 and which are each herein incorporated by reference in their respective entireties:

U.S. Design patent application Ser. No. 29/569,227, entitled Surgical Fastener; now U.S. Design Pat. No. D822,206; U.S. Design patent application Ser. No. 29/569,259, entitled Surgical Fastener Cartridge, now U.S. Design Pat. No. D847,989; and

U.S. Design patent application Ser. No. 29/569,264, entitled Surgical Fastener Cartridge, now U.S. Design Pat. No. D850,617.

FIG. 1 is a perspective view of a surgical fastener.

FIG. 2 is a front elevation view of the surgical fastener of FIG. 1.

FIG. 3 is a rear elevation view of the surgical fastener of FIG. 1.

FIG. 4 is a top plan view of the surgical fastener of FIG. 1.

FIG. 5 is a bottom plan view of the surgical fastener of FIG. 1.

FIG. 6 is a left elevation view of the surgical fastener of FIG. 1.

FIG. 7 is a right elevation view of the surgical fastener of FIG. 1.

FIG. 8 is a perspective view of a surgical fastener.

FIG. 9 is a front elevation view of the surgical fastener of FIG. 8.

FIG. 10 is a rear elevation view of the surgical fastener of FIG. 8.

FIG. 11 is a top plan view of the surgical fastener of FIG. 8.

FIG. 12 is a bottom plan view of the surgical fastener of FIG. 8.

FIG. 13 is a left elevation view of the surgical fastener of FIG. 8; and,

FIG. 14 is a right elevation view of the surgical fastener of FIG. 8.

1 Claim, 10 Drawing Sheets

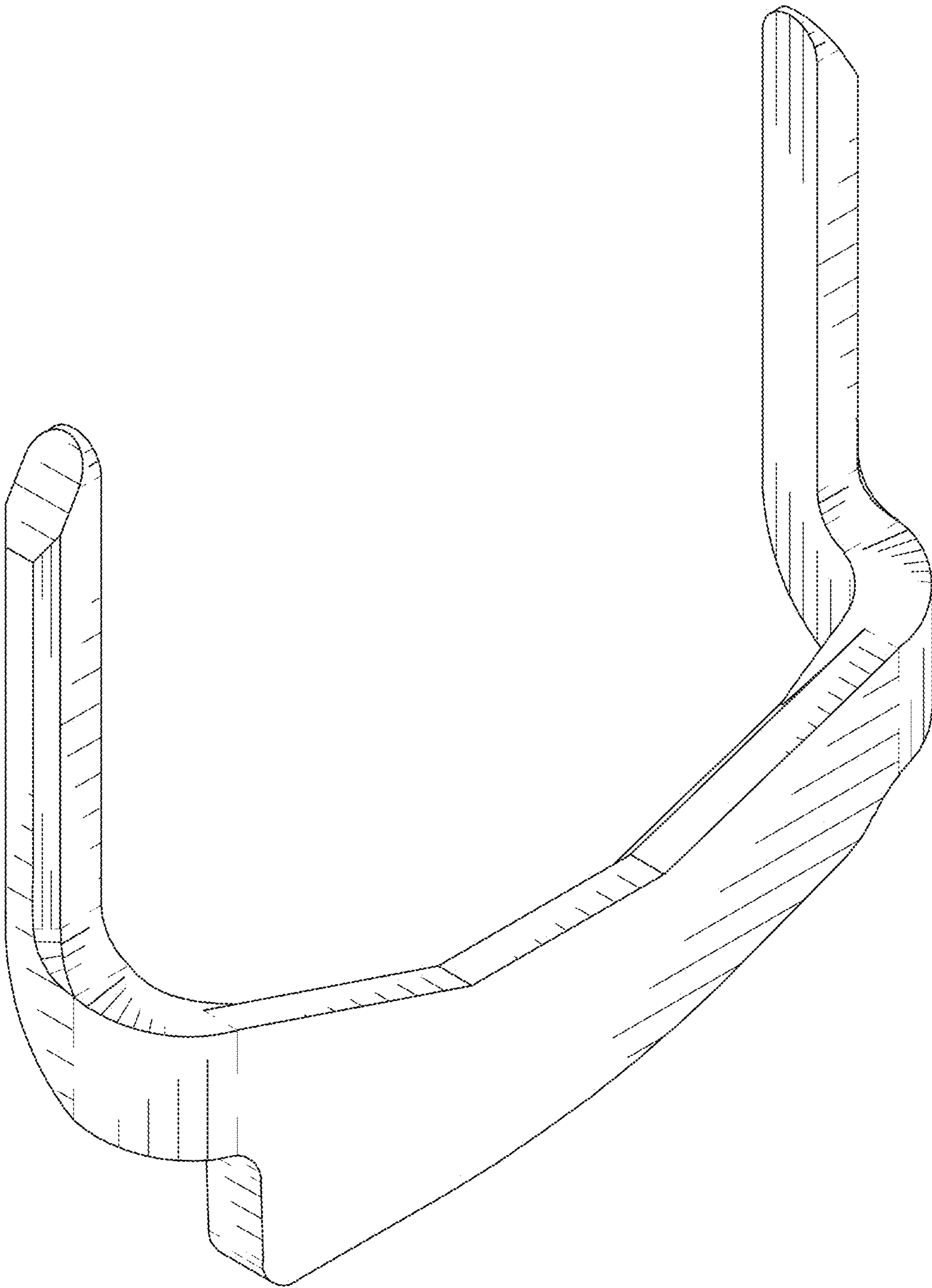


FIG. 1

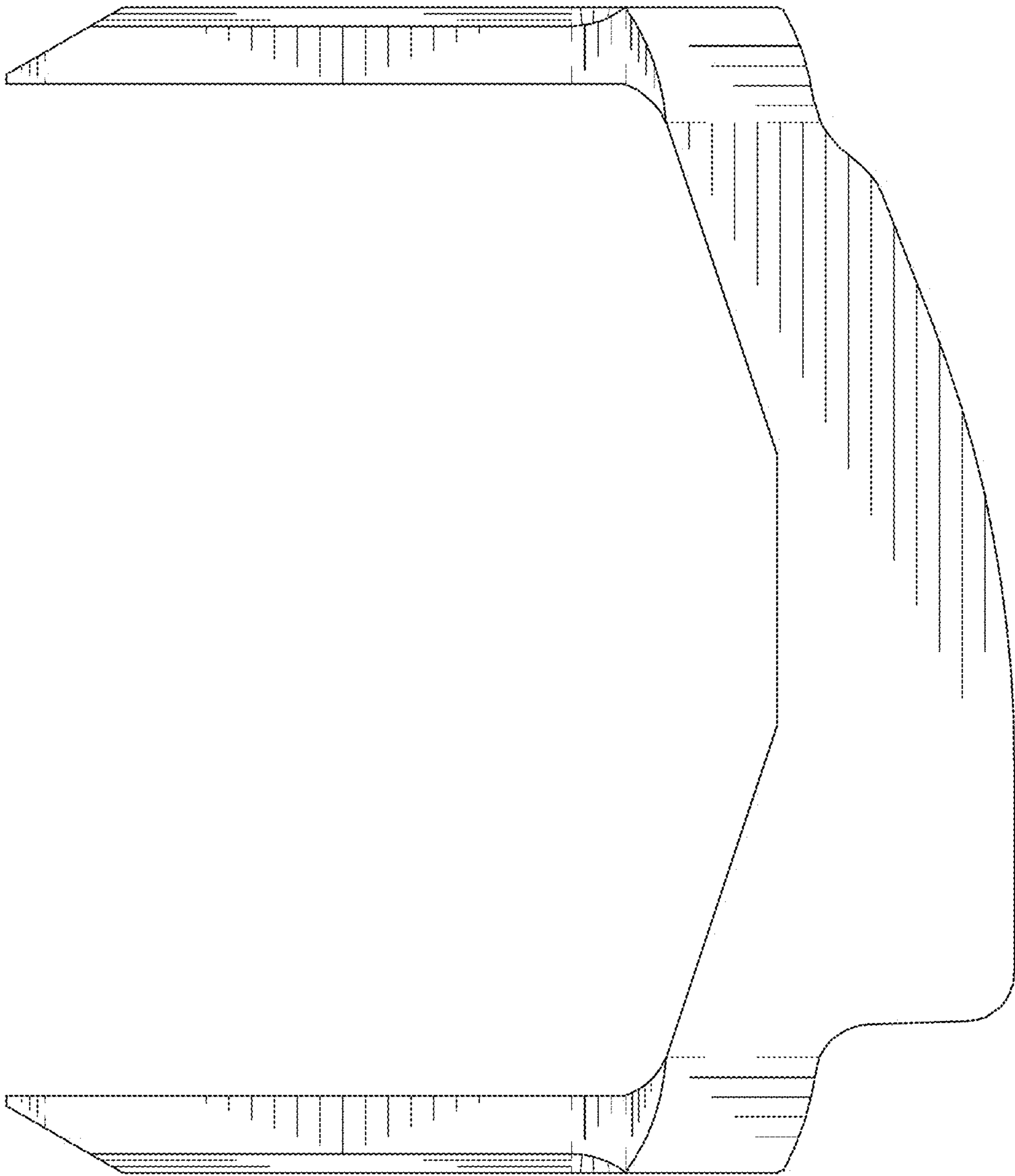


FIG. 2

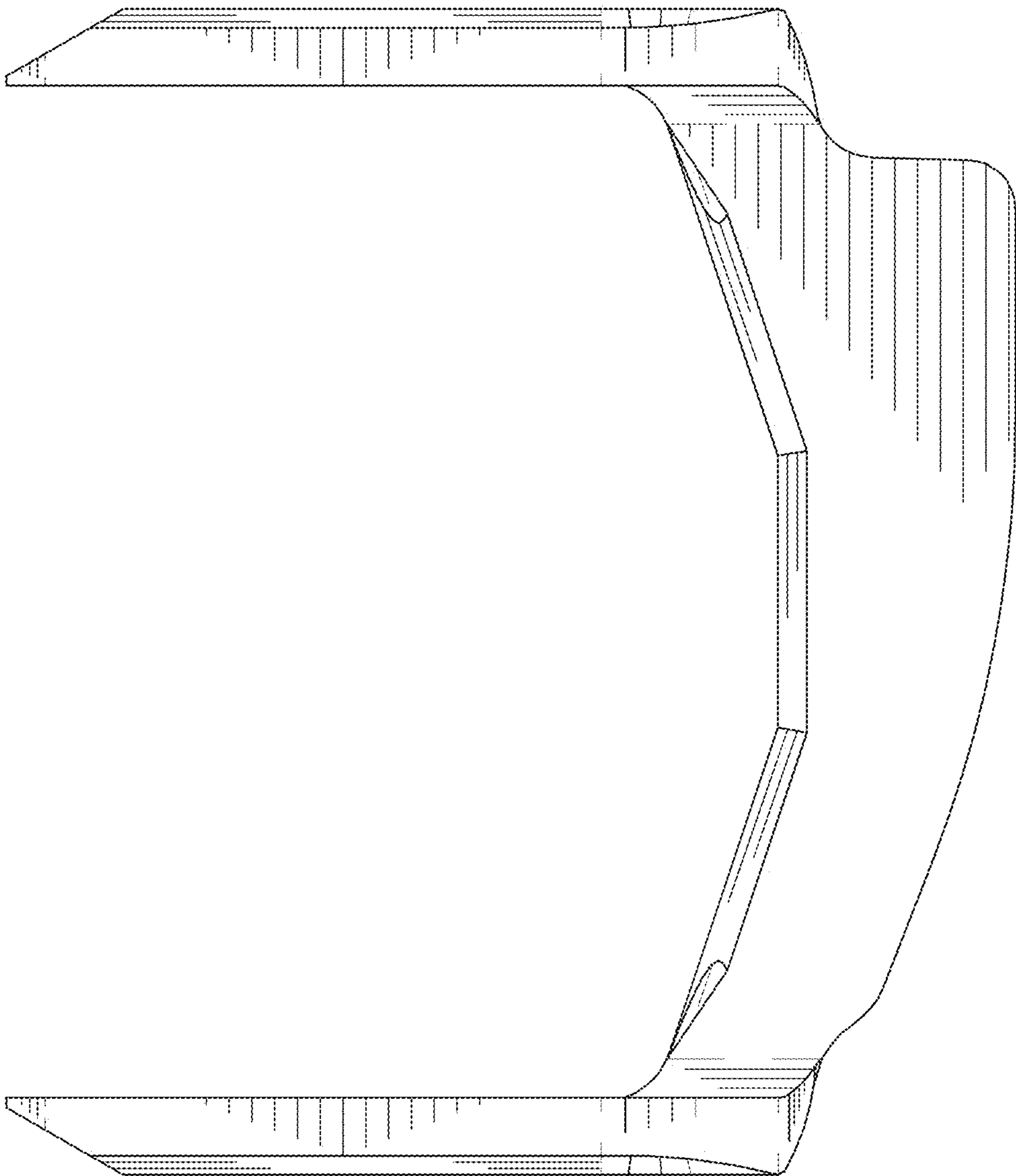


FIG. 3

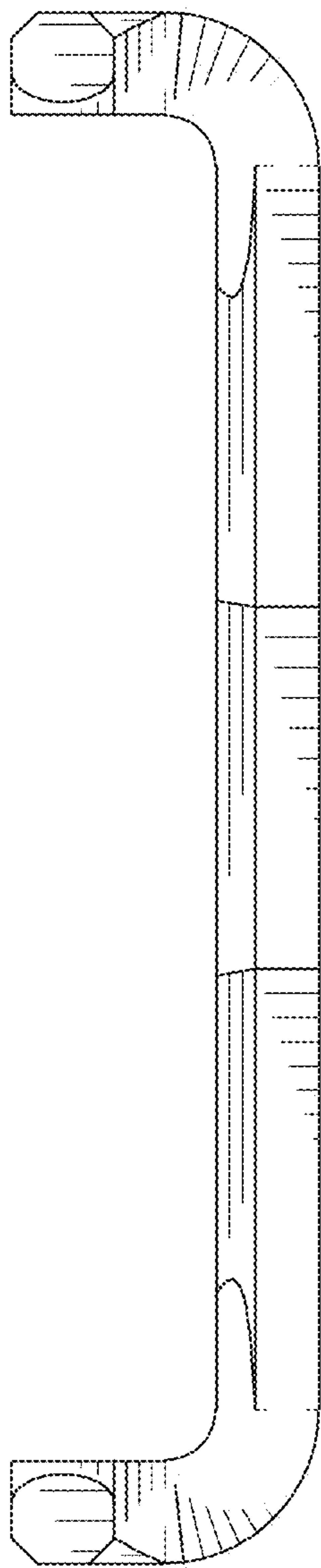


FIG. 4

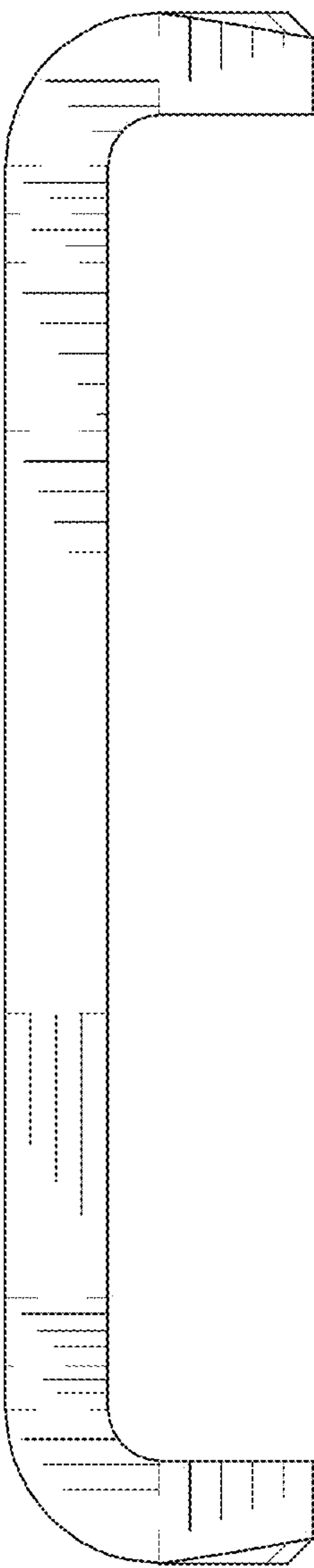


FIG. 5

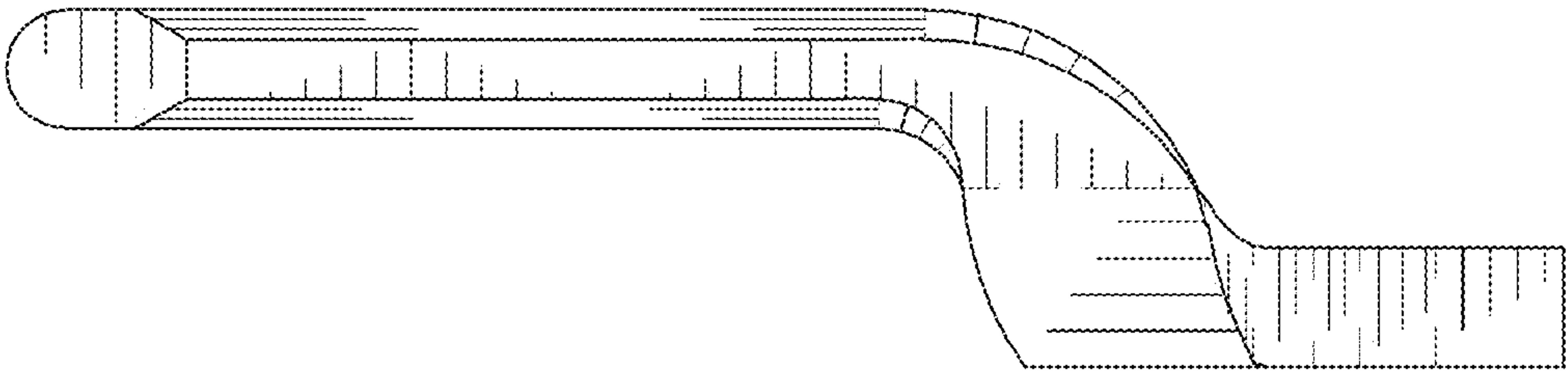


FIG. 7

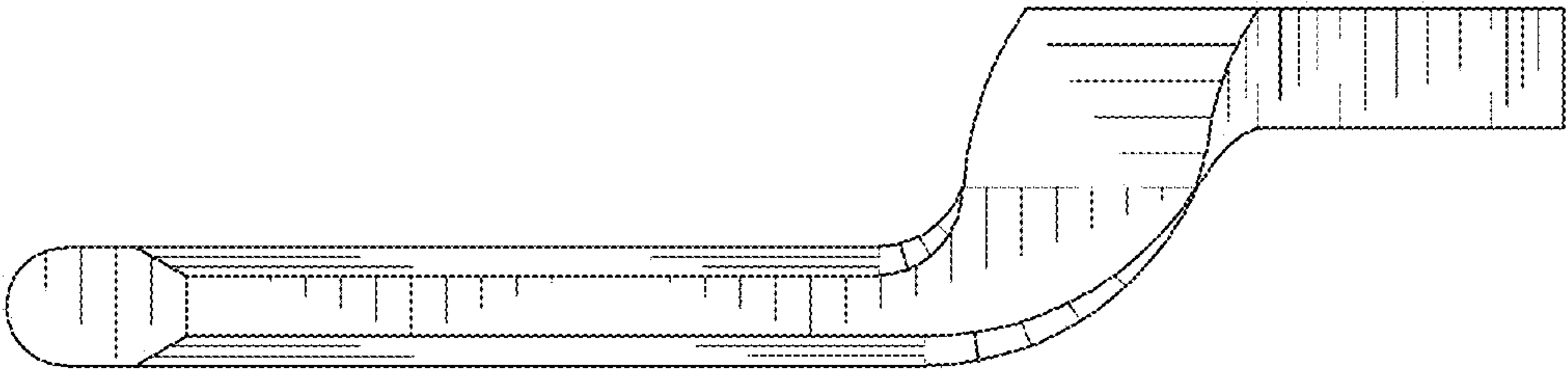


FIG. 6

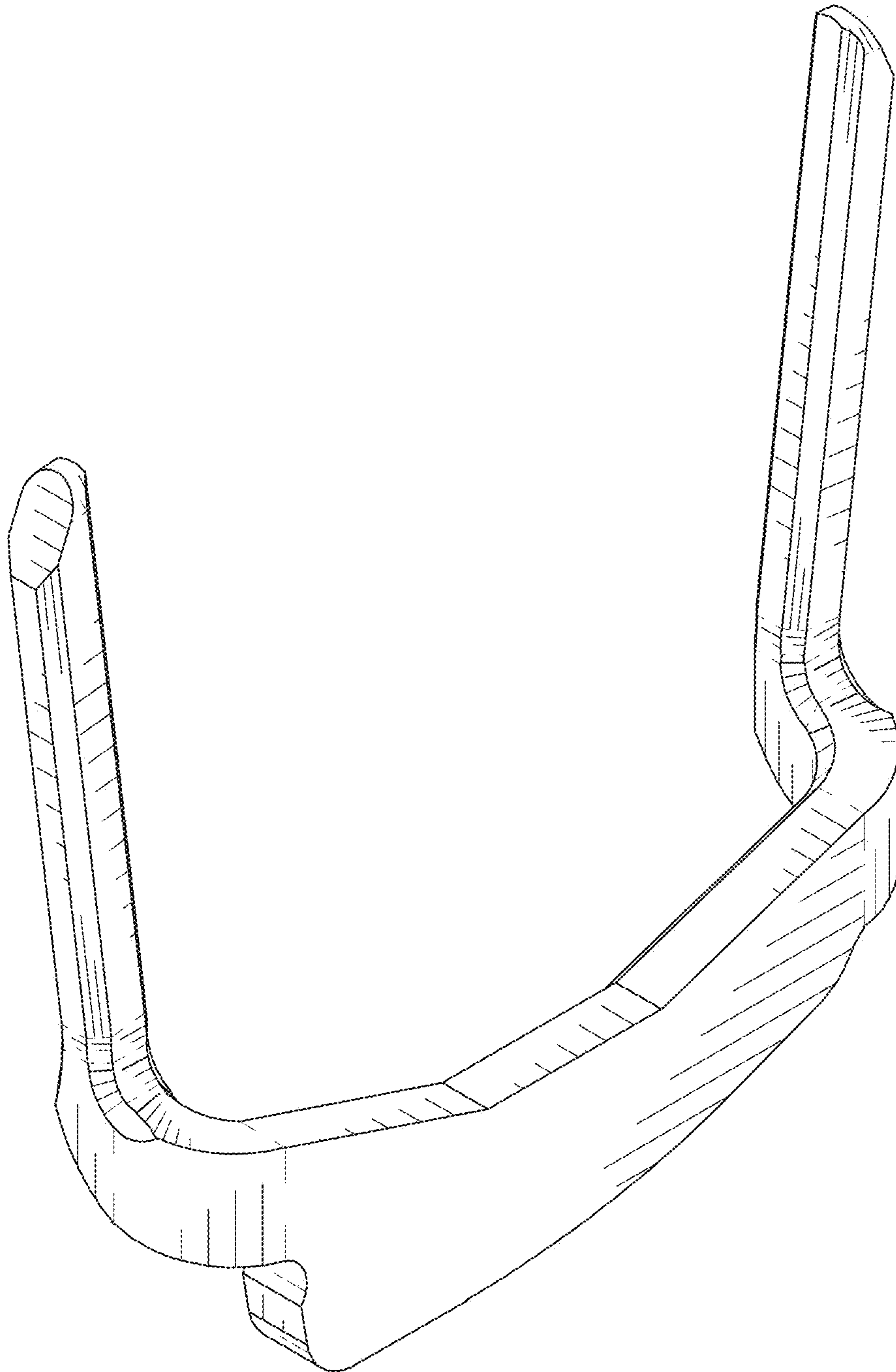


FIG. 8

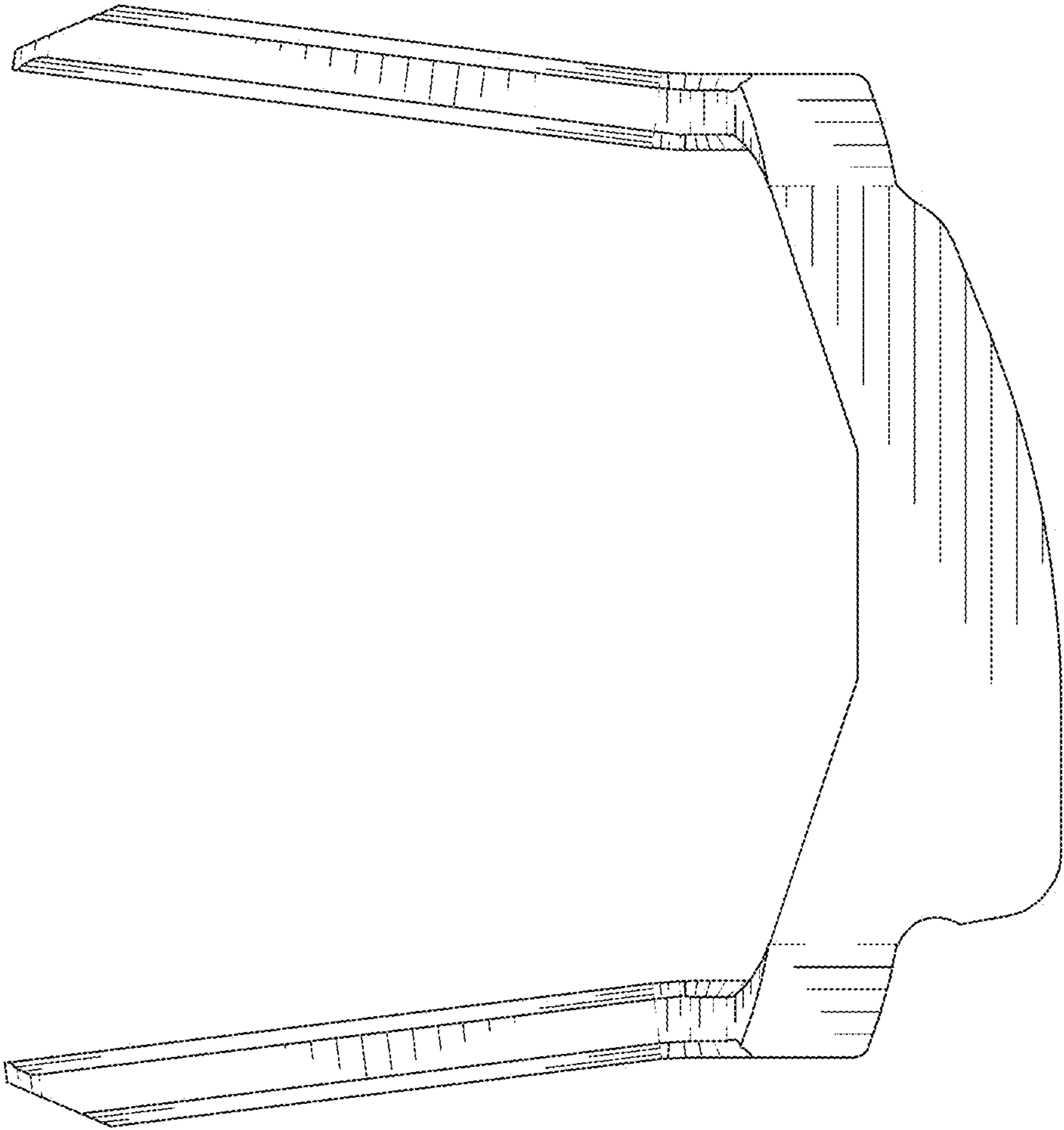


FIG. 9

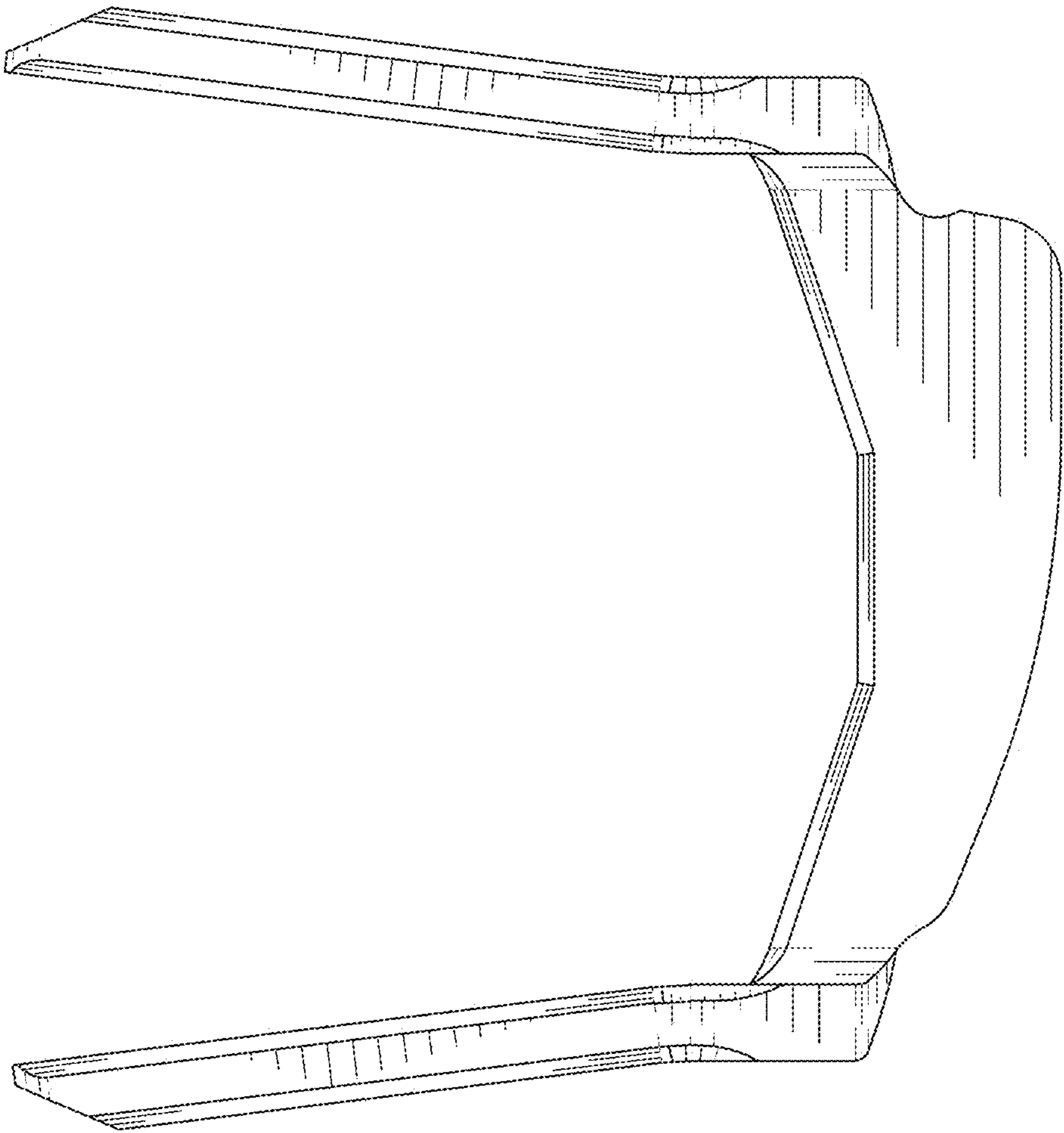


FIG. 10

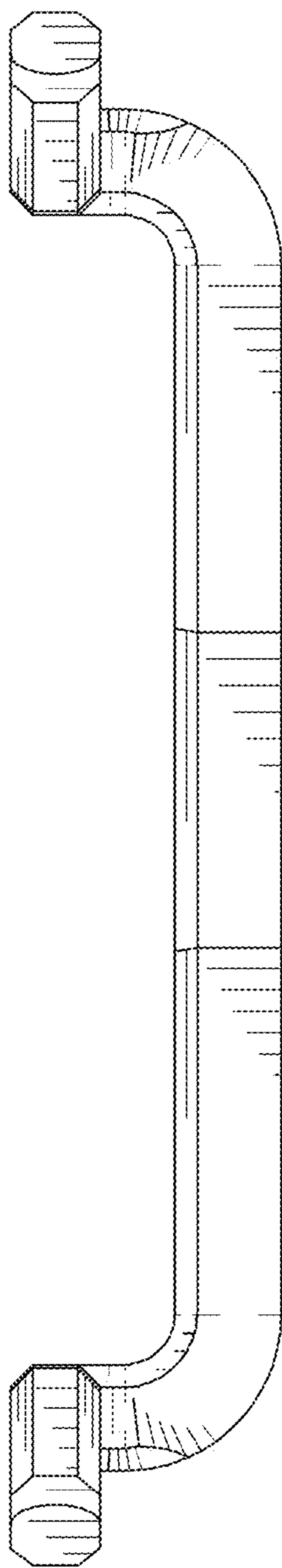


FIG. 11

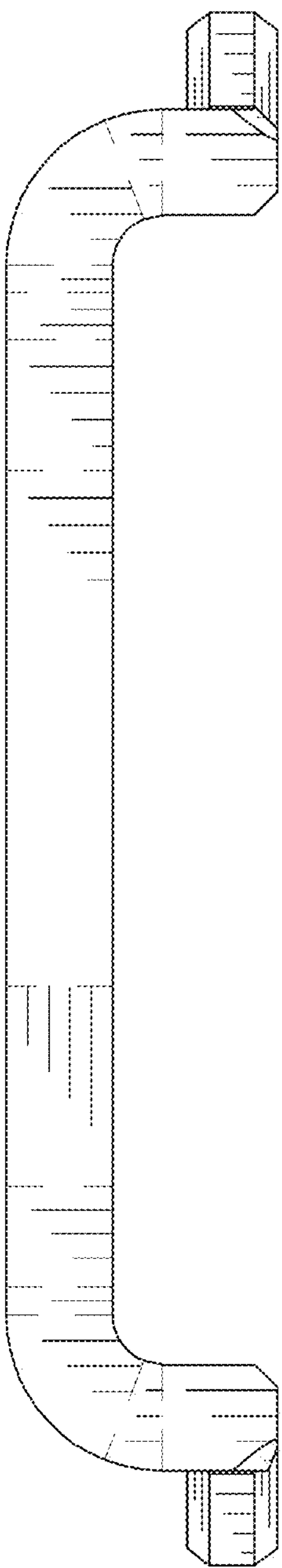


FIG. 12

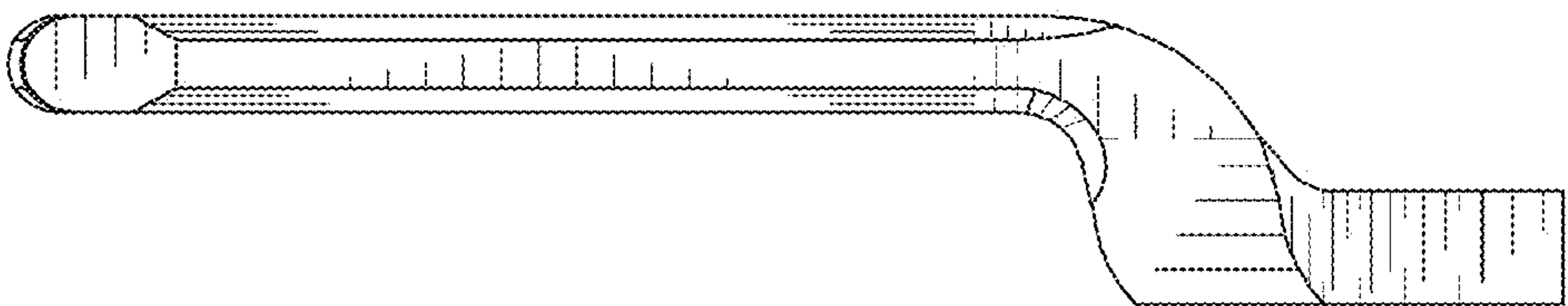


FIG. 13



FIG. 14