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

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(54) **FOOTBALL HELMET**

(71) Applicant: **Riddell, Inc.**, Des Plaines, IL (US)

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1,655,007 A	1/1928	Boettge
1,669,914 A	5/1928	Rogers
1,691,202 A	11/1928	La Van
1,705,879 A	3/1929	Rodgers
1,714,275 A	5/1929	Mullins
D80,880 S	4/1930	Dickman
D81,055 S	4/1930	Heater
1,833,708 A	11/1931	Ford
1,839,657 A	1/1932	Duchek
1,841,232 A	1/1932	Wells

(Continued)

FOREIGN PATENT DOCUMENTS

CA	100226 A	7/1906
CH	692011	1/2002

(Continued)

OTHER PUBLICATIONS

Face-Off Lacrosse Yearbook 2003, Spring 2003, vol. 10 (3 pages).

(Continued)

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Related U.S. Application Data

(63) Continuation of application No. 29/453,426, filed on Apr. 29, 2013, which is a continuation of application No. 29/391,016, filed on May 2, 2011, now Pat. No. Des. 681,281.

(51) **LOC (12) Cl.** **29-02**

(52) **U.S. Cl.**
USPC **D29/122**

(58) **Field of Classification Search**
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A42B 3/04; A42B 3/20; A42B 3/00
See application file for complete search history.

(57) **CLAIM**

We claim the ornamental design for a football helmet, as shown and described.

DESCRIPTION

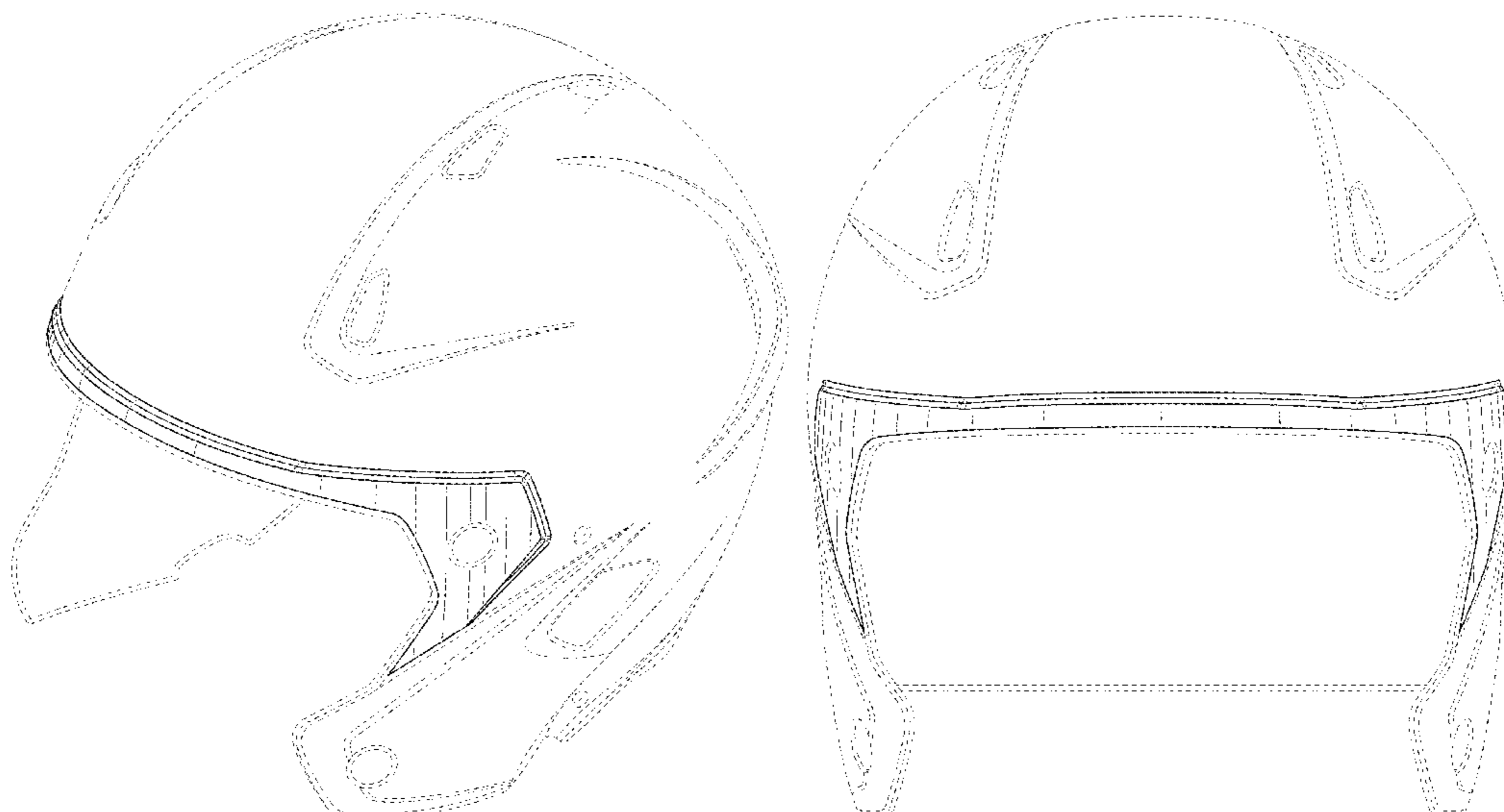
FIG. 1 is a perspective view of a football helmet showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a side view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a rear view thereof; and,
FIG. 6 is a bottom view thereof.
The details shown in broken lines form no part of the claimed design.

References Cited

U.S. PATENT DOCUMENTS

622,677 A	4/1899	Gallagher
1,060,220 A	4/1913	White
1,080,690 A	12/1913	Hipkiss
1,203,564 A	11/1916	April
1,262,818 A	4/1918	McGill
1,449,183 A	3/1923	Johnstone
1,522,952 A	1/1925	Goldsmith
1,602,727 A	10/1926	Turner
1,637,692 A	8/1927	Fitzpatrick

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

1,842,953	A	1/1932	Turner	D212,582	S	11/1968	Feldmann
1,868,926	A	7/1932	Tatore	3,418,657	A	12/1968	Lastnik
1,892,943	A	1/1933	Geyer	D213,085	S	1/1969	Wyckoff
1,997,187	A	4/1935	Taylor	3,447,162	A	6/1969	Aileo
D100,972	S	8/1936	Pryale	3,462,763	A	8/1969	Schneider
2,081,335	A	5/1937	Levinson	3,478,365	A	11/1969	Varga
2,105,028	A	1/1938	Dickhoff	D216,988	S	3/1970	Je Rue
2,105,607	A	1/1938	McMillan	3,500,472	A	3/1970	Castellani
2,125,854	A	8/1938	Standley	3,501,772	A	3/1970	Wyckoff et al.
2,140,716	A	12/1938	Pryale	D217,894	S	6/1970	Mikita
2,150,290	A	3/1939	Mulvey	3,548,409	A	12/1970	Aileo
2,194,903	A	3/1940	Holstein	3,548,410	A	12/1970	Parker
D123,638	S	11/1940	Perrin	3,551,911	A	1/1971	Holden
2,250,275	A	7/1941	Riddell	3,566,409	A	3/1971	Hopper
2,250,375	A	7/1941	Hegan	3,568,210	A	3/1971	Marietta
2,293,308	A	8/1942	Riddell, Sr.	3,577,562	A	5/1971	Holt
2,296,335	A	9/1942	Brady	3,590,388	A	7/1971	Holt
2,354,840	A	8/1944	Seletz	3,600,714	A	8/1971	Brady
2,359,387	A	10/1944	Riddell	D221,923	S	9/1971	Jones
2,373,083	A	4/1945	Brewster	3,605,113	A	9/1971	Marietta
2,451,483	A	10/1948	Goldsmith	3,616,463	A	11/1971	Theodore
2,515,807	A	7/1950	Spooner	3,619,813	A	11/1971	Marchello
2,525,389	A	10/1950	Zeller	3,629,864	A	12/1971	Latina
2,570,182	A	10/1951	Daly	3,713,640	A	1/1973	Margan
2,634,415	A	4/1953	Turner	3,720,955	A	3/1973	Rawlings
D171,297	S	1/1954	D'Arbeloff	3,729,744	A	5/1973	Rappleyea
2,679,046	A	5/1954	Dye	3,729,746	A	5/1973	Humphrey
2,688,747	A	9/1954	Marx	D228,211	S	8/1973	O'Connor
2,758,304	A	8/1956	McGowan	3,751,728	A	8/1973	Thompkins
2,768,380	A	10/1956	Golomb	3,761,959	A	10/1973	Dunning
2,777,127	A	1/1957	Marietta	3,783,450	A	1/1974	O Connor
2,779,228	A	1/1957	Meepos	3,787,895	A	1/1974	Belvedere
2,785,404	A	3/1957	Strohm	3,793,241	A	2/1974	Kyle
2,785,405	A	3/1957	Snyder	D230,911	S	3/1974	Ispas
D180,239	S	5/1957	McMurry	3,815,152	A	6/1974	Bednarczuk
2,793,365	A	5/1957	Kleinman	3,818,508	A	6/1974	Lammers
2,850,740	A	9/1958	Adams	3,820,163	A	6/1974	Rappleyea
2,861,272	A	11/1958	Stuart	3,843,970	A	10/1974	Marietta
2,863,151	A	12/1958	Morgan, Jr.	3,849,801	A	11/1974	Holt
2,867,811	A	1/1959	Jones	3,854,146	A	12/1974	Dunning
2,890,457	A	6/1959	Marietta	3,860,966	A	1/1975	Brown
2,904,645	A	9/1959	Sarles	D234,549	S	3/1975	Bell
2,944,263	A	7/1960	Rayburn	3,882,547	A	5/1975	Morgan
2,969,546	A	1/1961	Morgan, Jr.	3,889,296	A	6/1975	Martin
2,985,883	A	5/1961	Marietta	D235,941	S	7/1975	Stock
2,986,739	A	6/1961	Rozzi, Sr.	3,897,597	A	8/1975	Kasper
3,039,108	A	6/1962	Lohrenz	3,916,446	A	11/1975	Gooding
3,055,013	A	9/1962	Aleo	D237,844	S	12/1975	Stock
3,097,559	A	7/1963	Chapman	3,934,271	A	1/1976	Rhee
3,106,716	A	10/1963	Beebe	3,994,020	A	11/1976	Villari
3,113,318	A	12/1963	Marietta	3,994,022	A	11/1976	Villari
3,117,484	A	1/1964	Myers	3,999,220	A	12/1976	Keltner
3,122,752	A	3/1964	Marietta	4,023,209	A	5/1977	Frieder
3,139,624	A	7/1964	Humphrey	4,023,213	A	5/1977	Rovani
3,155,981	A	11/1964	McKissick	4,028,743	A	6/1977	Christensen
3,166,761	A	1/1965	Strohm	4,044,400	A	8/1977	Lewicki
3,167,783	A	2/1965	Wolfe	4,060,855	A	12/1977	Rappleyea
3,174,155	A	3/1965	Pitman	4,075,714	A	2/1978	Ryder
3,186,004	A	6/1965	Carlini	4,086,664	A	5/1978	Humphrey
3,187,342	A	6/1965	Aileo	4,101,983	A	7/1978	Dera
3,189,917	A	6/1965	Sims	4,136,403	A	1/1979	Walther
3,197,784	A	8/1965	Carlisle	D254,100	S	2/1980	Breger
3,208,080	A	9/1965	Hirsch	4,204,566	A	5/1980	Kirrish
3,216,023	A	11/1965	Morgan	D255,394	S	6/1980	McNabb
3,223,086	A	12/1965	Denton	D256,626	S	9/1980	Antonino
3,263,236	A	8/1966	Humphrey	D257,073	S	9/1980	Jenkins
3,274,612	A	9/1966	Merriam	4,233,687	A	11/1980	Lancellotti
3,274,613	A	9/1966	Sowle	4,272,853	A	6/1981	Schuessler
3,283,336	A	11/1966	Critser	4,279,038	A	7/1981	Brueckner
3,292,180	A	12/1966	Marietta	4,282,610	A	8/1981	Steigerwald
3,296,582	A	1/1967	Ide	4,287,613	A	9/1981	Schulz
3,315,272	A	4/1967	Olt	4,307,471	A	12/1981	Lovell
3,323,134	A	6/1967	Swyers	D265,520	S	7/1982	Gooding
3,327,313	A	6/1967	Oliver	D266,626	S	10/1982	Gooding
3,364,499	A	1/1968	Kwoka	D266,627	S	10/1982	Gooding
				4,354,284	A	10/1982	Gooding
				D267,287	S	12/1982	Gooding
				4,363,140	A	12/1982	Correale
				4,370,759	A	2/1983	Zide

(56)

References Cited

U.S. PATENT DOCUMENTS

4,390,995 A	7/1983	Walck	5,267,353 A	12/1993	Milligan
4,398,306 A	8/1983	Gooding	5,271,103 A	12/1993	Darnell
4,404,690 A	9/1983	Farquharson	5,287,562 A	2/1994	Rush
D271,249 S	11/1983	Farquharson	5,291,880 A	3/1994	Almovist
D271,347 S	11/1983	Bourque	5,293,649 A	3/1994	Corpus
4,434,514 A	3/1984	Sundahl	D347,300 S	5/1994	Gentes
4,461,044 A	7/1984	Reiterman	D348,545 S	7/1994	Egger
4,463,456 A	8/1984	Hanson	D348,752 S	7/1994	Ho
4,475,248 A	10/1984	L Abbe	D350,710 S	9/1994	Keiffer
4,477,929 A	10/1984	Mattsson	5,347,660 A	9/1994	Zide
4,566,137 A	1/1986	Gooding	D352,802 S	11/1994	Jeng
D283,268 S	4/1986	Rebiskie	D352,803 S	11/1994	Sasaki
4,587,677 A	5/1986	Clement	D355,394 S	2/1995	Bezener
D285,980 S	10/1986	McNabb	D357,554 S	4/1995	Garneau
4,627,115 A	12/1986	Broersma	D357,555 S	4/1995	Brueckner
4,633,531 A	1/1987	Nimmons	D358,003 S	5/1995	Losi
4,646,368 A	3/1987	Infusino	D358,004 S	5/1995	Losi
4,651,356 A	3/1987	Zide	D358,232 S	5/1995	Bourque
4,665,569 A	5/1987	Santini	D358,905 S	5/1995	Newman
4,667,348 A	5/1987	Sundahl	5,412,814 A	5/1995	Pernicka
4,677,694 A	7/1987	Crow	5,418,257 A	5/1995	Weisman
4,692,947 A	9/1987	Black	D361,407 S	8/1995	Ho
4,706,305 A	11/1987	Cho	D361,408 S	8/1995	Ho
D295,800 S	5/1988	Shelton	D361,409 S	8/1995	Ho
D295,902 S	5/1988	Foulkes	D362,084 S	9/1995	Egger
4,741,054 A	5/1988	Mattes	5,448,780 A	9/1995	Gath
4,744,107 A	5/1988	Foehl	5,450,631 A	9/1995	Egger
4,766,614 A	8/1988	Cantwell	5,452,979 A	9/1995	Cosenza
4,766,616 A	8/1988	Donahue	5,461,730 A	10/1995	Carrington
4,774,729 A	10/1988	Coates	D364,487 S	11/1995	Tutton
D298,367 S	11/1988	Ball	5,483,699 A	1/1996	Pernicka
4,794,652 A	1/1989	Piech Von Planta	5,493,736 A	2/1996	Allison
D299,978 S	2/1989	Chiarella	5,494,323 A	2/1996	Huang
4,808,469 A	2/1989	Hiles	5,502,843 A	4/1996	Strickland
4,831,668 A	5/1989	Schulz	5,522,091 A	6/1996	Rudolf
4,837,866 A	6/1989	Rector	D371,867 S	7/1996	Losi, II
4,853,980 A	8/1989	Zarotti	D371,868 S	7/1996	Losi
4,866,792 A	9/1989	Arai	D371,869 S	7/1996	Chen
D303,851 S	10/1989	Gentes	D372,342 S	7/1996	Chen
4,885,806 A	12/1989	Heller	5,539,936 A	7/1996	Thomas
4,885,807 A	12/1989	Snow, Jr.	5,553,330 A	9/1996	Carveth
4,903,346 A	2/1990	Reddemann	D378,236 S	2/1997	Zanotto
4,903,350 A	2/1990	Gentes	D378,624 S	3/1997	Chartrand
4,903,381 A	2/1990	Fohl	D380,870 S	7/1997	Szabados
4,916,759 A	4/1990	Arai	D382,671 S	8/1997	Shewchenko
D309,512 S	7/1990	Crow	5,655,227 A	8/1997	Sundberg
4,937,888 A	7/1990	Straus	D383,953 S	9/1997	DeFilippo
4,947,490 A	8/1990	Hayden	5,661,854 A	9/1997	March, II
5,014,365 A	5/1991	Schulz	5,675,875 A	10/1997	Servatius
5,023,958 A	6/1991	Rotzin	D387,501 S	12/1997	Cheng
5,035,009 A	7/1991	Wingo, Jr.	D388,551 S	12/1997	Lu
D319,112 S	8/1991	Broersma	D389,280 S	1/1998	Ho
5,044,016 A	9/1991	Coombs	5,724,681 A	3/1998	Sykes
5,061,112 A	10/1991	Monford	5,732,414 A	3/1998	Monica
5,083,321 A	1/1992	Davidsson	5,734,994 A	4/1998	Rogers
5,090,061 A	2/1992	Kamata	5,737,770 A	4/1998	Chen
5,093,937 A	3/1992	Kamata	5,790,988 A	8/1998	Guadagnino, Jr.
5,093,939 A	3/1992	Noyerie	5,794,274 A	8/1998	Kraemer
5,100,272 A	3/1992	Jadoul	5,799,337 A	9/1998	Brown
5,101,517 A	4/1992	Douglas	5,829,065 A	11/1998	Cahill
5,119,516 A	6/1992	Broersma	5,867,840 A	2/1999	Hirosawa
5,129,108 A	7/1992	Copeland	D406,399 S	3/1999	Hohdorf
5,136,728 A	8/1992	Kamata	5,883,145 A	3/1999	Hurley
5,142,700 A	8/1992	Reed	D408,236 S	4/1999	Rennick
5,165,116 A	11/1992	Simpson	5,913,412 A	6/1999	Huber
D331,645 S	12/1992	Gallet	5,915,537 A	6/1999	Dallas
D332,507 S	1/1993	Anderson	D412,376 S	7/1999	Jurga
5,175,889 A	1/1993	Infusino	D412,766 S	8/1999	Tang
5,177,815 A	1/1993	Andujar	5,930,840 A	8/1999	Arai
5,177,816 A	1/1993	Schmidt	5,938,878 A	8/1999	Hurley
5,203,034 A	4/1993	Foehl	5,940,890 A	8/1999	Dallas
5,231,703 A	8/1993	Garneau	5,943,706 A	8/1999	Miyajima
D339,427 S	9/1993	Gentes	5,946,735 A	9/1999	Bayes
5,263,203 A	11/1993	Kraemer	5,950,244 A	9/1999	Fournier
5,263,204 A	11/1993	Butsch	5,953,761 A	9/1999	Jurga
			D415,593 S	10/1999	Tang
			5,963,990 A	10/1999	White
			5,966,744 A	10/1999	Smith, Jr.
			5,978,973 A	11/1999	Chartrand

US D856,601 S

Page 4

(56)

References Cited

U.S. PATENT DOCUMENTS

5,991,930 A	11/1999	Sorrentino	D566,903 S *	4/2008	Rogers	D29/122
6,047,400 A	4/2000	Spencer	D572,412 S *	7/2008	Udelhofen	D29/122
D426,677 S	6/2000	Ho	D575,458 S	8/2008	Ho	
6,070,271 A	6/2000	Williams	7,430,767 B2	10/2008	Nagely	
6,079,053 A	6/2000	Clover, Jr.	D581,099 S	11/2008	Ahn et al.	
6,081,932 A	7/2000	Kraemer	D582,607 S *	12/2008	Ferrara	D29/106
6,128,786 A	10/2000	Maddux	7,328,462 B1	12/2008	Straus	
6,138,283 A	10/2000	Kress	D587,407 S	2/2009	Nimmons	
6,138,284 A	10/2000	Arai	D587,852 S *	3/2009	Nimmons	D29/106
6,154,889 A	12/2000	Moore, III	D587,853 S *	3/2009	Nimmons	D29/106
6,159,324 A	12/2000	Watters	D587,854 S	3/2009	Nimmons	
6,189,156 B1	2/2001	Loiars	D587,855 S	3/2009	Nimmons	
6,199,219 B1	3/2001	Silken	D587,857 S	3/2009	Nimmons	
6,226,801 B1	5/2001	Alexander	D590,106 S	4/2009	Nimmons	
D444,268 S	6/2001	Montello	D598,610 S	8/2009	Soukup	
6,240,571 B1	6/2001	Infusino	D603,099 S *	10/2009	Bologna	D29/106
D445,218 S	7/2001	Watters	D603,100 S	10/2009	Bologna	
D445,962 S	7/2001	Brignone	D616,154 S	5/2010	Daniel	
6,256,798 B1	7/2001	Egolf	7,735,160 B1	6/2010	Schiebl	
6,266,827 B1	7/2001	Lampe	7,743,640 B2	6/2010	Lampe	
6,272,692 B1	8/2001	Abraham	7,774,866 B2	8/2010	Ferrara	
D447,604 S	9/2001	Watters	D625,050 S *	10/2010	Chen	D29/106
D448,526 S	9/2001	Brignone	7,832,023 B2	11/2010	Crisco	
6,282,726 B1	9/2001	Noyerie	D628,748 S	12/2010	Stewart	
D448,890 S	10/2001	Brignone	D629,162 S	12/2010	Daniel	
6,298,497 B1	10/2001	Chartrand	7,870,617 B2	1/2011	Butler	
6,301,719 B1	10/2001	Goodhand	D633,658 S	3/2011	Daniel	
6,321,386 B1	11/2001	Monica	7,900,279 B2	3/2011	Kraemer	
6,324,701 B1	12/2001	Alexander	7,954,177 B2	6/2011	Ide	
6,339,849 B1	1/2002	Nelson	7,987,525 B2	8/2011	Summers	
D453,399 S	2/2002	Racine	D654,227 S	2/2012	Stout	
6,351,853 B1	3/2002	Halstead	D654,629 S	2/2012	Chou	
6,360,376 B1	3/2002	Carrington	D654,630 S	2/2012	Chou	
6,370,699 B1	4/2002	Halstead	8,117,679 B2	2/2012	Pierce	
6,385,780 B1	5/2002	Racine	8,146,178 B2	4/2012	Vanhoutin	
6,389,607 B1	5/2002	Wood	8,209,784 B2	7/2012	Maddux	
D459,032 S	6/2002	Gatellet	D678,617 S *	3/2013	Erb	D29/106
D459,554 S	6/2002	Gatellet	D681,281 S *	4/2013	Bologna	D29/106
D459,555 S	6/2002	Gatellet	8,418,270 B2	4/2013	Desjardins	
6,434,755 B1	8/2002	Halstead	8,453,269 B2	6/2013	Hampton, II	
6,438,762 B1	8/2002	Jenkins	8,528,118 B2	9/2013	Ide	
6,438,763 B2	8/2002	Guay	8,656,520 B2	2/2014	Rush, III	
6,442,765 B1	9/2002	Fallon	8,719,967 B2	5/2014	Milsom	
6,446,270 B1	9/2002	Durr	8,793,816 B2	8/2014	Larkin	
D465,067 S *	10/2002	Ide	8,813,269 B2	8/2014	Kraemer	
6,467,099 B2	10/2002	Dennis	8,819,871 B2	9/2014	Vanhoutin	
6,481,024 B1	11/2002	Grant	8,850,622 B2	10/2014	Finiel	
D466,651 S	12/2002	Halstead	D718,002 S *	11/2014	Littrell, Jr.	D29/106
6,499,139 B1	12/2002	Brown	8,887,312 B2	11/2014	Bhatnagar	
6,499,147 B2	12/2002	Schiebl	8,927,088 B2	1/2015	Faden	
6,532,602 B2	3/2003	Watters	8,938,818 B2	1/2015	Ide	
D475,486 S	6/2003	Ide	8,966,670 B2	3/2015	Cheng	
6,604,246 B1	8/2003	Obreja	8,966,671 B2	3/2015	Rumbaugh	
6,701,535 B2	3/2004	Dobbie	8,978,167 B2	3/2015	Blair	
6,722,711 B2	4/2004	Kitzis	9,107,466 B2	8/2015	Hoying	
D492,818 S	7/2004	Ide	9,210,961 B2	12/2015	Torres	
6,772,447 B2	8/2004	Morrow	D747,040 S *	1/2016	Milam	D29/106
D495,838 S	9/2004	Arai	D752,822 S *	3/2016	Bologna	D29/122
D496,762 S	9/2004	Durocher	9,277,781 B2	3/2016	Hardy	
6,826,509 B2	11/2004	Crisco	9,289,024 B2	3/2016	Withnall	
6,874,170 B1	4/2005	Aaron	D753,346 S *	4/2016	Erb	D29/122
6,880,176 B2	4/2005	Timms	9,364,041 B2	6/2016	Chilson	
6,925,657 B2	8/2005	Takahashi	D764,116 S *	8/2016	Collette	D29/106
6,931,671 B2	8/2005	Skiba	9,498,014 B2	11/2016	Wingo	
6,934,971 B2	8/2005	Ide	9,511,272 B2	12/2016	Lowe	
D509,928 S	9/2005	Barnoski	9,530,248 B2	12/2016	Zhang	
6,938,272 B1	9/2005	Brown	9,554,611 B2	1/2017	Arrouart	
D511,026 S	10/2005	Smith	D778,504 S *	2/2017	Collette	D29/106
6,961,963 B2	11/2005	Rosie	D807,587 S	1/2018	Lebel	
D512,534 S	12/2005	Maddux	D836,253 S *	12/2018	Erb	D29/106
7,036,151 B2	5/2006	Ide	2001/0032351 A1	10/2001	Nakayama	
D528,705 S	9/2006	Ide	2002/0104533 A1	8/2002	Kalhok	
7,146,652 B2	12/2006	Ide	2002/0174480 A1	11/2002	Lombard	
7,240,376 B2 *	7/2007	Ide	2003/0188375 A1	10/2003	Wilson	
		A42B 3/08	2003/0209241 A1	11/2003	Fournier	
		2/425	2004/0025231 A1	2/2004	Ide	
			2004/0139531 A1	7/2004	Moore	
			2004/0181854 A1	9/2004	Primrose	
			2005/0114975 A1	6/2005	Kraemer	

(56)

References Cited

U.S. PATENT DOCUMENTS

2005/0235403	A1	10/2005	Kraemer
2005/0278835	A1	12/2005	Ide
2006/0031978	A1	2/2006	Pierce
2006/0038694	A1	2/2006	Naunheim
2006/0112477	A1	6/2006	Schneider
2007/0151003	A1	7/2007	Shih
2007/0157370	A1	7/2007	Joubert Des Ouches
2007/0163158	A1	7/2007	Bentz
2007/0192944	A1	8/2007	Kraemer
2008/0052808	A1	3/2008	Leick
2008/0163410	A1	7/2008	Udelhofen
2008/0250550	A1	10/2008	Bologna
2009/0106882	A1	4/2009	Nimmons et al.
2009/0178184	A1	7/2009	Brine
2009/0260133	A1	10/2009	Del Rosario
2009/0265841	A1	10/2009	Ferrara
2010/0005573	A1	1/2010	Rudd
2011/0203038	A1	8/2011	Jones
2011/0209272	A1	9/2011	Drake
2011/0214224	A1	9/2011	Maddux
2011/0277221	A1	11/2011	Withnall
2012/0011639	A1	1/2012	Beauchamp
2012/0036619	A1	2/2012	Ytterborn
2012/0060251	A1	3/2012	Schimpf
2012/0079646	A1	4/2012	Belanger
2013/0340146	A1	12/2013	Dekker
2014/0007327	A1	1/2014	Infusino
2014/0150169	A1	6/2014	Infusino
2015/0135414	A1	5/2015	Infusino

FOREIGN PATENT DOCUMENTS

CN	2870519	Y	2/2007
CN	2896943	Y	5/2007
DE	8321097		10/1983
DE	3222681		12/1983
DE	3338188		5/1985
DE	3603234		8/1987
DE	3632525		8/1996
DE	19745960		10/1997
EP	0512193		11/1992
EP	1199000	B1	5/2005
EP	1972220	B1	2/2011
FR	1528113		6/1968
GB	256430		8/1926
GB	1354719		6/1974
JP	S57205511		12/1982
JP	H05132809		5/1993
JP	572922		10/1993
JP	199421667		3/1994
JP	H07109609		4/1995
JP	H07126908		5/1995
JP	H1077521		3/1998
JP	H10195707		7/1998
JP	H11189910		7/1999
JP	2000265315		9/2000
JP	2001003220		1/2001
JP	2001020121		1/2001
JP	2002161426		6/2002
WO	9534229		12/1995
WO	9911152		3/1999
WO	9956572		11/1999
WO	0152676		7/2001
WO	2007013106	A1	2/2007

OTHER PUBLICATIONS

Four Photographs of Riddell, Inc.'s VSR4 football helmet which was commercially available prior to May 1, 2001 (4 pages).
Decision, Institution of Inter Partes Review 37 C.F.R. 42.108, Entered Feb. 10, 2017, Case IPR2016-01649, Patent 8,813,269 B2 (33 pages).
Patent Owner's Preliminary Response, Case No. IPR2016-01649, U.S. Pat. No. 8,813,269 (61 Pages).

Petition for Inter Partes Review of U.S. Pat. No. 8,813,269 filed Aug. 19, 2016 (90 pages).
Wilson Trade Price Edition Fall and Winter 1964 Catalog (152 pages).
Wilson Trade Price Edition 1953 Football Catalog (56 pages).
Wilson Trade Price Edition 1952-1953 Football Catalog (100 pages).
Wilson Sporting Goods Company Fall and Winter 1976 Catalog (28 pages).
Wilson Sporting Goods Company Fall and Winter 1972 Catalog (88 pages).
Virginia Tech, Adult Football Helmet Detailed Ratings (May 2011).
Stall & Dean Fall and Winter Catalog 1960-1961 (72 pages).
Sports Review Football 1954, Rawlings HC20 and TH24 Helmet (2 page).
Sears Wish Book for the 1971 Christmas Season Catalog (11 pages).
Sears Fall and Winter Catalog 1966 (2 pages).
Sears Fall and Winter Catalog 1963 (2 pages).
Sears Fall and Winter 1968 Catalog T-Bar Helmet (4 pages).
Sears Catalog, Cyclac Plastic Helmet (2 pages).
Schutt 2009 Football Quick Guide (12 pages).
Schutt 2009 Football Catalog (32 pages).
Schutt 2007 ION 4D Information Sheet (2 pages).
Schutt 2005 Fitting Guide (32 pages).
Schutt 2001 Football Catalog (46 pages).
Scholastic Coach, MacGregor E700 Helmet, Jan. 1959 (2 pages).
Robert Smith, Illustrated History of Pro Football (1970), cover illustration (2 pages).
Riddell Team Tested Tuff Catalog (31 pages).
Riddell Institutional Football Catalog (33 pages).
Riddell Inc., Screenshots of <http://www.riddell.com/history>, captured Feb. 20, 2014 (2 pages).
Riddell Bio Lite Helmet, 1988 (3 pages).
Riddell 2010 Speed Fitting Guide (4 pages).
Riddell 2010 Football Catalog (140 pages).
Riddell 2009 Football Catalog (132 pages).
Riddell 2007 Football Catalog (108 pages).
Riddell 2007 Catalog (192 pages).
Riddell 2006 Football Catalog (84 pages).
Riddell 2006 Catalog (160 pages).
Riddell 2005 Catalog (164 pages).
Riddell 2004 Football Catalog (88 pages).
Riddell 2003 Football Catalog (92 pages).
Riddell 2002 Football Catalog (88 pages).
Riddell 2001 Football Catalog (94 pages).
Riddell 2001 Baseball Catalog (79 pages).
Riddell 2000 Football Catalog (76 pages).
Riddell 2000 Baseball Catalog (52 pages).
Riddell 1998-1999 Football Catalog (72 pages).
Riddell 1998 Football Air Catalog (16 pages).
Riddell 1997-1998 Football Catalog (55 pages).
Riddell 1996-1997 Football Catalog (40 pages).
Riddell 1996-1997 Baseball and Softball Catalog (24 pages).
Riddell 1995 Factory Direct Savings Catalog (22 pages).
Riddell 1994 Football Catalog (20 pages).
Riddell 1993 Product Catalog (12 pages).
Riddell 1993 Football Catalog (32 pages).
Riddell 1992 Catalog (40 pages).
Riddell 1991 Catalog (11 pages).
Riddell 1990 Football Catalog (32 pages).
Riddell 1989 Football Catalog (24 pages).
Riddell 1989 Football Air Catalog (16 pages).
Riddell 1988 Equipment Catalog (24 pages).
Riddell 1987 Equipment Catalog (24 pages).
Riddell 1986 Equipment Catalog (24 pages).
Riddell 1985 Equipment Catalog (32 pages).
Riddell 1984 Equipment Catalog (29 pages).
Riddell 1983 Equipment Catalog (34 pages).
Riddell 1980 Equipment Catalog (16 pages).
Riddell 1979 Equipment Catalog (23 pages).
Riddell 1978 Equipment Catalog (24 pages).
Riddell 1977 Equipment Catalog (24 pages).
Riddell 1976 Equipment Catalog (20 pages).
Riddell 1975 Equipment Catalog (19 pages).

(56)

References Cited

OTHER PUBLICATIONS

- Riddell 1974 Equipment Catalog (18 pages).
 Riddell 1973 Equipment Catalog (11 pages).
 Riddell 1972 Equipment Catalog (14 pages).
 Riddell 1970 Equipment Catalog (18 pages).
 Riddell 1969 Equipment Catalog (14 pages).
 Riddell 1967 Football Equipment Catalog (16 pages).
 Replacement Comments by Third-party Requester Pursuant to 35 U.S.C. § 314(b)(2) and 37 C.F.R. § 1.947 in Control No. 95/002,117. (33 pages).
 Rawlings Catalog Fall and Winter Retail Sher-wood Adirondack 1975 (28 pages).
 Rawlings Catalog Fall and Winter Institutional 1971 (92 pages).
 Rawlings Catalog Fall and Winter Equipment and Clothing 1981 (68 pages).
 Rawlings Catalog Fall and Winter Athletic Equipment 1964 (76 pages).
 Rawlings Catalog Fall and Winter Athletic Equipment 1963 (72 pages).
 Rawlings Catalog Fall and Winter Athletic Equipment 1959-1960 (84 pages).
 Rawlings Catalog Fall and Winter Athletic Equipment 1957-1958 (82 pages).
 Rawlings Catalog Fall and Winter Athletic Equipment 1955-1956 (83 pages).
 Rawlings Advance Football and Basketball Catalog 1957 (46 pages).
 Rawlings 1955-56 Advance Football and Basketball Catalog (36 pages).
 Photographs of four (4) helmets bearing labels B1-135, C1-7, D1-D5, G1-G5, 13 pages, commercially available before Apr. 29, 2003. (13 pages).
 Photographs of three (3) helmets bearing labels A1-A6, E1-E5, and F1-F5, 9 pages, commercially available before May 1, 2001. (9 pages).
 Midco Fall and Winter, H-400M Helmet, 1975 (8 pages).
 Micky Collins et al., Examining Concussion Rates and Return to Play in High School Football Players Wearing Newer Helmet Technology, 58 Neurosurgery 275 (2006) (12 pages).
 Medalist Gladiator 1989 Fall and Winter Catalog (20 pages).
 Marvel Comics, Magneto Revolution (2000), cover illustration (2 pages).
 MacGregor Sports Equipment Fall and Winter 1959 (84 pages).
 Kranos Corp.'s random collection of select catalog images, undated, (76 pages).
 J.A. Dubow Sporting Goods Corp., The Choice of Champions Serving the Sporting Goods Industry for Over 4 Decades 1912-1961 (32 pages).
 Hutch Catalog 1976 (40 pages).
 Great Atlantic C Lacrosse Company, Feb. 2000 (1 page).
 GB Lax Gait Brothers Lacrosse Magazine 2002 (24 pages).
 Declaration of Thad M. Ide Under 37 CFR § 1.131 (with Exhibits A-G) in Control No. 95/002,117. (48 pages).
 David Bushing, Sports Equipment Price Guide (1995), pp. 236-238, 240-241, 243-244, 263.
 Bike Football Catalog 2002 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 65, No. 7, Mar. 1985 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 59, No. 6, Feb. 1979 (3 pages).
 Athletic Journal Catalog Excerpt, vol. 57, No. 4, Dec. 1976 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 55, No. 3, Nov. 1974 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 53, No. 8, Apr. 1973 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 51, No. 6, Feb. 1971 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 50, No. 8, Apr. 1970 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 49, No. 8, Apr. 1969 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 48, vol. 10, Jun. 1968 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 48, No. 3, Nov. 1967 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 46, No. 3, Nov. 1965 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 46, No. 10, Jun. 1966 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 45, No. 9, May 1965 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 45, No. 10, Jun. 1965 (3 pages).
 Athletic Journal Catalog Excerpt, vol. 44, No. 9, May 1964 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 44, No. 2, Oct. 1964 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 44, No. 10, Jun. 1964 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 43, No. 8, Apr. 1963 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 43, No. 5, Jan. 1963 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 41, No. 9, May 1961 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 41, No. 10, Jun. 1961 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 40, No. 9, May 1960 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 40, No. 4, Dec. 1959 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 40, No. 10, Jun. 1960 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 38, No. 6, Feb. 1958 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 38, No. 10, Jun. 1959 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 37, No. 9, May 1957 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 37, No. 7, Mar. 1957 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 37, No. 6, Feb. 1957 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 37, No. 5, Jan. 1957 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 37, No. 4, Dec. 1956 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 37, No. 2, Oct. 1956 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 36, No. 8, Apr. 1956 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 36, No. 7, Mar. 1956 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 36, No. 5, Jan. 1956 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 35, No. 6, Feb. 1955 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 35, No. 9, May 1955 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 35, No. 10, Jun. 1956 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 48, No. 5, Jan. 1968 (2 pages).
 Athletic Journal Catalog Excerpt, vol. 36, No. 3, Nov. 1955 (2 pages).
 1997 JOFA Hockey Equipment Catalog (60 pages).
 Virginia Tech, Adult Football Helmet Evaluation Methodology (May 9, 2011) (5 pages).
 The Draper Maynard Co., D&M Sporting Goods Catalog, 1925-1926.
 Steven Rowson & Stefan M. Duma, "Development of the Star Evaluation System for Football Helmets: Integrating Player Head

(56)

References Cited

OTHER PUBLICATIONS

Impact Exposure and Risk of Concussion”, *Ann. of Biomedical Eng.*, vol. 39, No. 8, pp. 2130-2140 (Aug. 2011).

Shoei Catalog 1999 (16 pages).

Screenshots from 1997 Starship Troopers Movie (12 pages).

Scholastic Coach, Spalding No. 100, Dec. 1950 (2 pages).

Scholastic Coach, Spalding Helmet, Mar. 1959 (2 pages).

Rawlings Catalog Fall and Winter Athletic Equipment 1949-1950 (74 pages).

Rawlings Catalog Fall and Winter Athletic Equipment 1948-1949 (2 pages).

King-O’shea Turret Tenite Helmet 1954 (1 page).

John Field, Patton of the Armored Force, *LIFE Magazine*, Nov. 30, 1942 (4 pages).

Easton Bell Sports, Riddell Fact Sheet. www.eastonbellsports.com/riddell-fact-sheet, 3 pages.

Declaration of Dr. James Newman under 37 CFR 1.132 in Control No. 95/002,117 (28 pages).

Declaration of Allison Boersma Under 37 CFR § 1.132 in Control No. 95/002,117. (2 pages).

Athletic Journal Catalog Excerpt, vol. 61, No. 4, Dec. 1980 (2 pages).

Athletic Journal Catalog Excerpt, vol. 60, No. 8, Apr. 1980 (2 pages).

Athletic Journal Catalog Excerpt, vol. 57, No. 5, Jan. 1977 (6 pages).

Athletic Journal Catalog Excerpt, vol. 56, No. 5, Jan. 1976 (6 pages).

Athletic Journal Catalog Excerpt, vol. 49, No. 10, Jun. 1969 (2 pages).

Athletic Journal Catalog Excerpt, vol. 47, No. 3, Nov. 1966 (2 pages).

Athletic Journal Catalog Excerpt, vol. 36, No. 6, Feb. 1956 (2 pages).

Athletic Journal Catalog Excerpt, vol. 34, No. 7, Mar. 1954 (2 pages).

Athletic Journal Catalog Excerpt, vol. 34, No. 10, Jun. 1954 (2 pages).

Athletic Journal Catalog Excerpt, vol. 33, No. 9, May 1953 (2 pages).

Athletic Journal Catalog Excerpt, vol. 33, No. 8, Apr. 1953 (2 pages).

Athletic Journal Catalog Excerpt, vol. 32, No. 7, Mar. 1952 (2 pages).

Athletic Journal Catalog Excerpt, vol. 32, No. 6, Feb. 1952 (2 pages).

Athletic Journal Catalog Excerpt, vol. 32, No. 2, Oct. 1951 (2 pages).

Athletic Journal Catalog Excerpt, vol. 32, No. 10, Jun. 1952 (2 pages).

Athletic Journal Catalog Excerpt, vol. 31, vol. 6, Feb. 1951 (2 pages).

Athletic Journal Catalog Excerpt, vol. 31, No. 7, Mar. 1951 (2 pages).

Athletic Journal Catalog Excerpt, vol. 31, No. 4, Dec. 1950 (2 pages).

Athletic Journal Catalog Excerpt, vol. 31, No. 10, Jun. 1951 (2 pages).

Athletic Journal Catalog Excerpt, vol. 30, vol. 6, Feb. 1950 (2 pages).

Athletic Journal Catalog Excerpt, vol. 30, No. 9, May 1950 (2 pages).

Athletic Journal Catalog Excerpt, vol. 30, No. 7, Mar. 1950 (2 pages).

Athletic Journal Catalog Excerpt, vol. 30, No. 4, Dec. 1949 (2 pages).

Athletic Journal Catalog Excerpt, MacGregor E700 Helmet, Jan. 1959 (1 page).

Schutt’s Final Invalidity Contentions, Case 1:16-cv-04496 (104 pages).

Schutt’s Final Invalidity Contentions Exhibit A’818 Patent, Case 1:16-cv-04496 (904 pages).

Schutt’s Final Invalidity Contentions Exhibit AB1—Alternate Combos Under 103—Ear Openings, Case 1:16-cv-04496 (29 pages).

Schutt’s Final Invalidity Contentions Exhibit AB2—Alternate Combos Under 103—Raised Central Band, Case 1:16-cv-04496 (58 pages).

Schutt’s Final Invalidity Contentions Exhibit AB3—Alternate Combos Under 103—Vent Openings, Case 1:16-cv-04496 (47 pages).

Schutt’s Final Invalidity Contentions Exhibit AB4—Alternate Combos Under 103—Chin Strap, Case 1:16-cv-04496 (31 pages).

Schutt’s Final Invalidity Contentions Exhibit AB5—Alternate Combos Under 103—Face Guard, Case 1:16-cv-04496 (32 pages).

Schutt’s Final Invalidity Contentions Exhibit AB6—Alternate Combos Under 103—Offset Band, Case 1:16-cv-04496 (11 pages).

Schutt’s Final Invalidity Contentions Exhibit AB7—Alternate Combos Under 103—Inflation, Case 1:16-cv-04496 (21 pages).

Schutt’s Final Invalidity Contentions Exhibit B’118 Patent, Case 1:16-cv-04496 (415 pages).

Xenith’s Final Invalidity Contentions, Case 1:16-cv-04496 (31 pages).

Xenith’s Invalidity Contentions Exhibits C1-C11 818 chart, Case 1:16-cv-04496 (341 pages).

Xenith’s Invalidity Contentions Exhibits D1-D11 118 chart, Case 1:16-cv-04496 (457 pages).

Claim Construction Order, Case 1:16-cv-04496 (39 pages).

Final Written Decision, 35 U.S.C. § 318(a) and 37 C.F.R. § 42.73, *Kranos Corporation v. Riddell, Inc.*, Entered Feb. 21, 2018, Case No. IPR2016-01650, U.S. Pat. No. 8,938,818 B2 (47 pages).

Final Written Decision, 35 U.S.C. § 318(a) and 37 C.F.R. § 42.73, *Kranos Corporation v. Riddell, Inc.*, Entered Feb. 5, 2018, Case No. IPR2016-01646, U.S. Pat. No. 8,528,118 C1 (84 pages).

Kranos Corp. d/b/a Schutt Sports’ Expert Report of Dr. Posner (including Exhibits C-R); *Riddell Inc. v. Kranos Corp.*, N.D. IL, case 1:16-cv-04496 (686 pages).

Riddell Inc.’s Responsive Expert Report of Mr. Shewchenko; *Riddell Inc. v. Kranos Corp.*, N.D. IL, case 1:16-cv-04496 (142 pages).

* cited by examiner

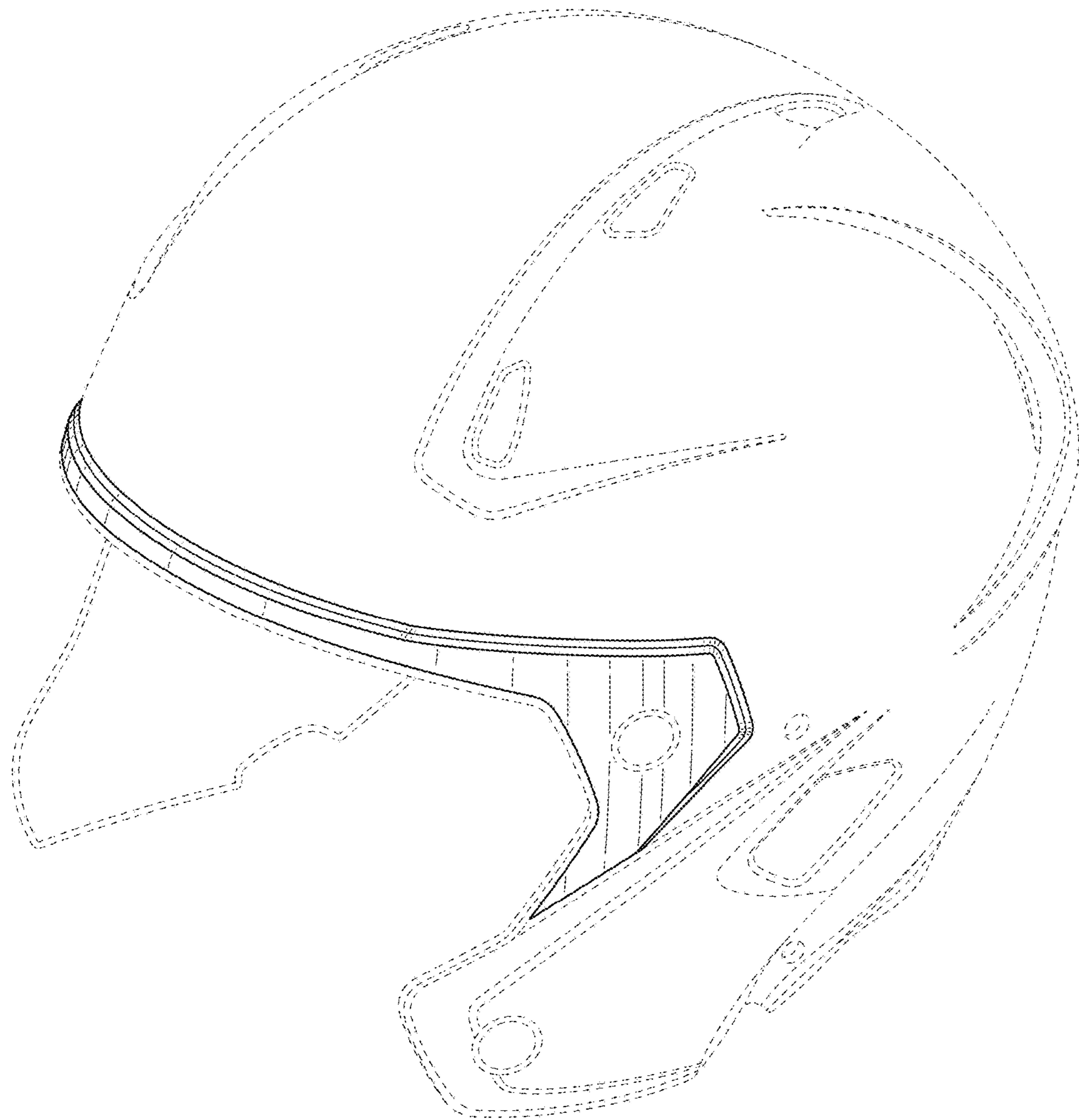


FIG. 1

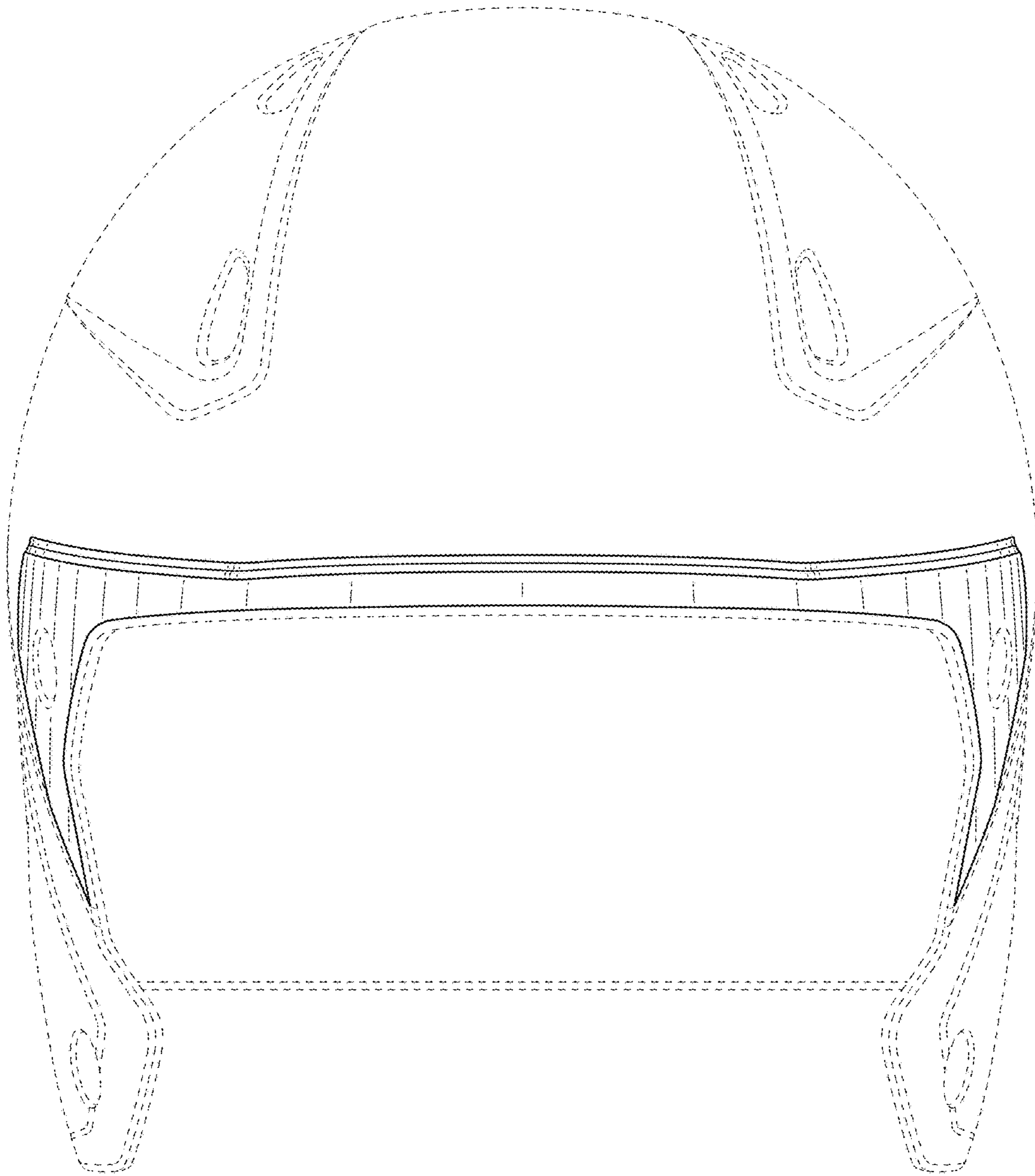


FIG. 2

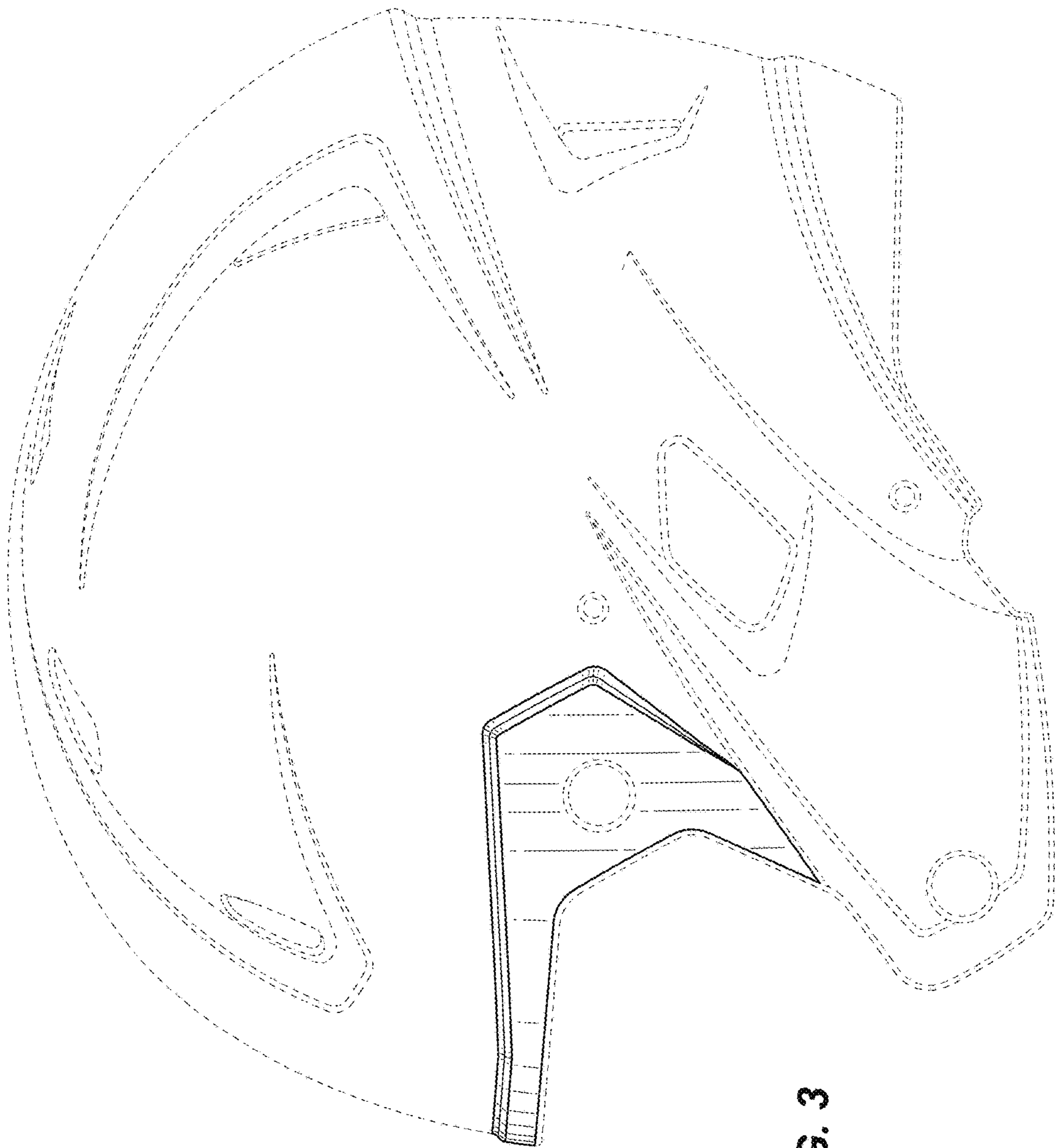


FIG. 3

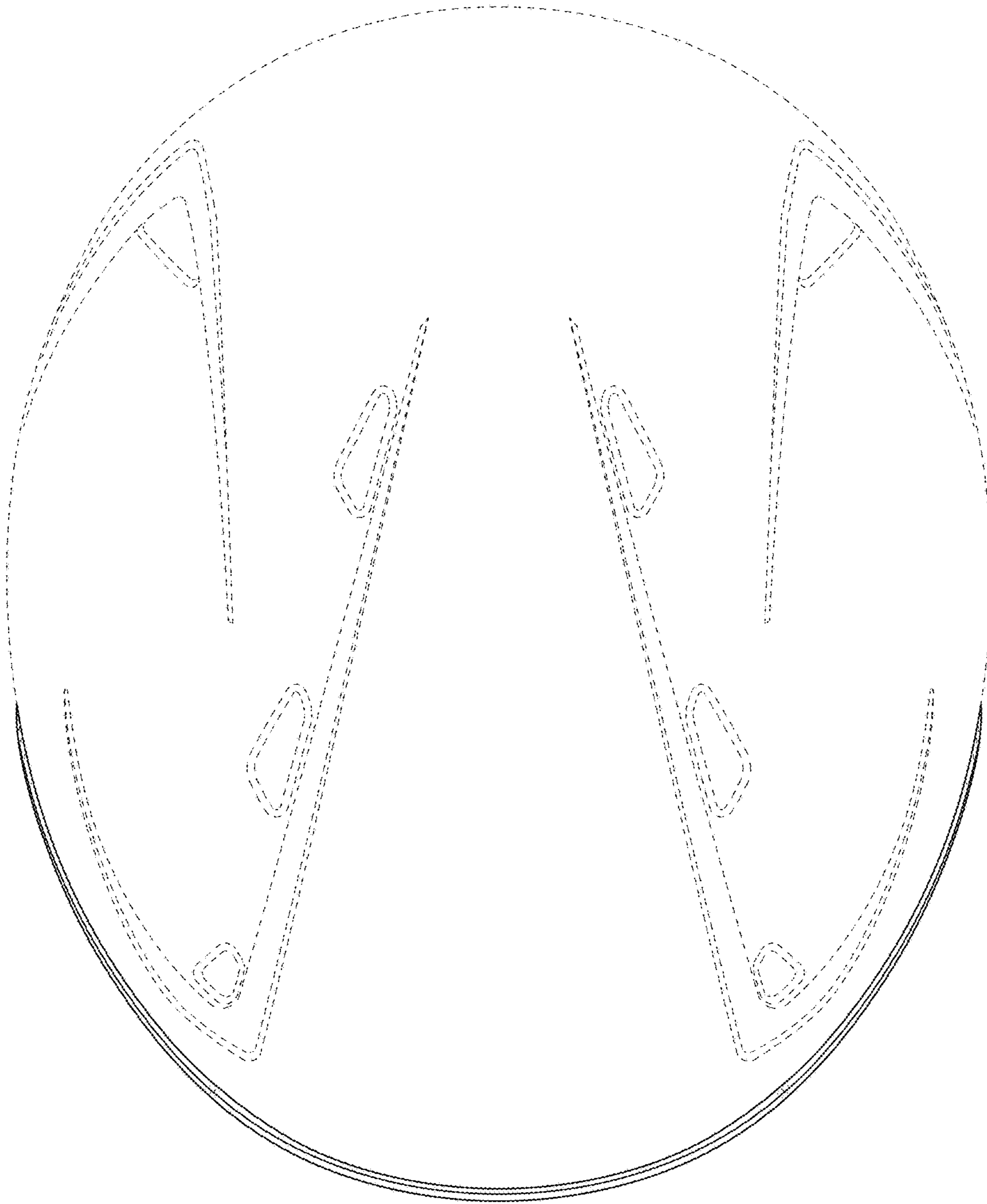


FIG. 4

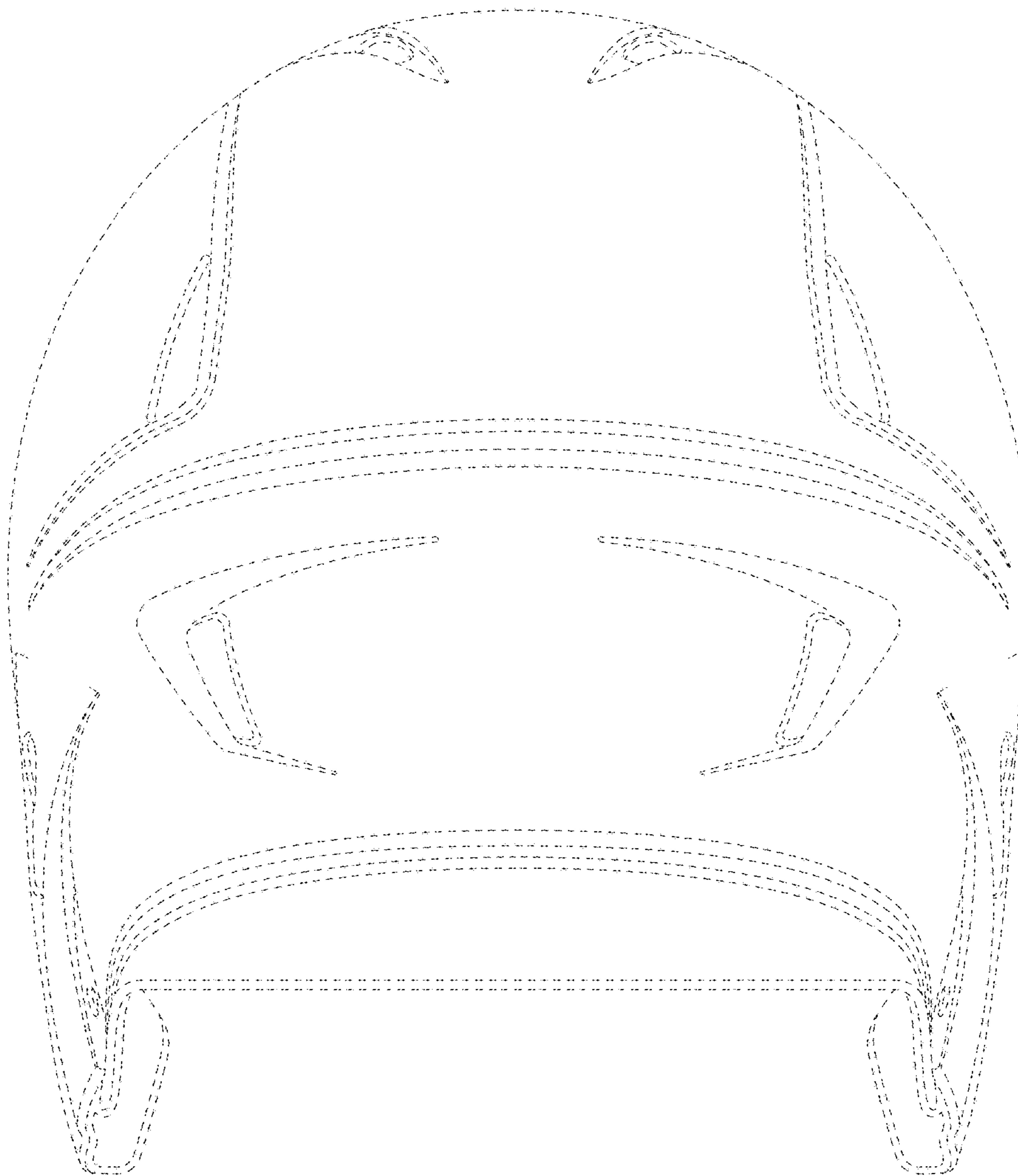


FIG. 5

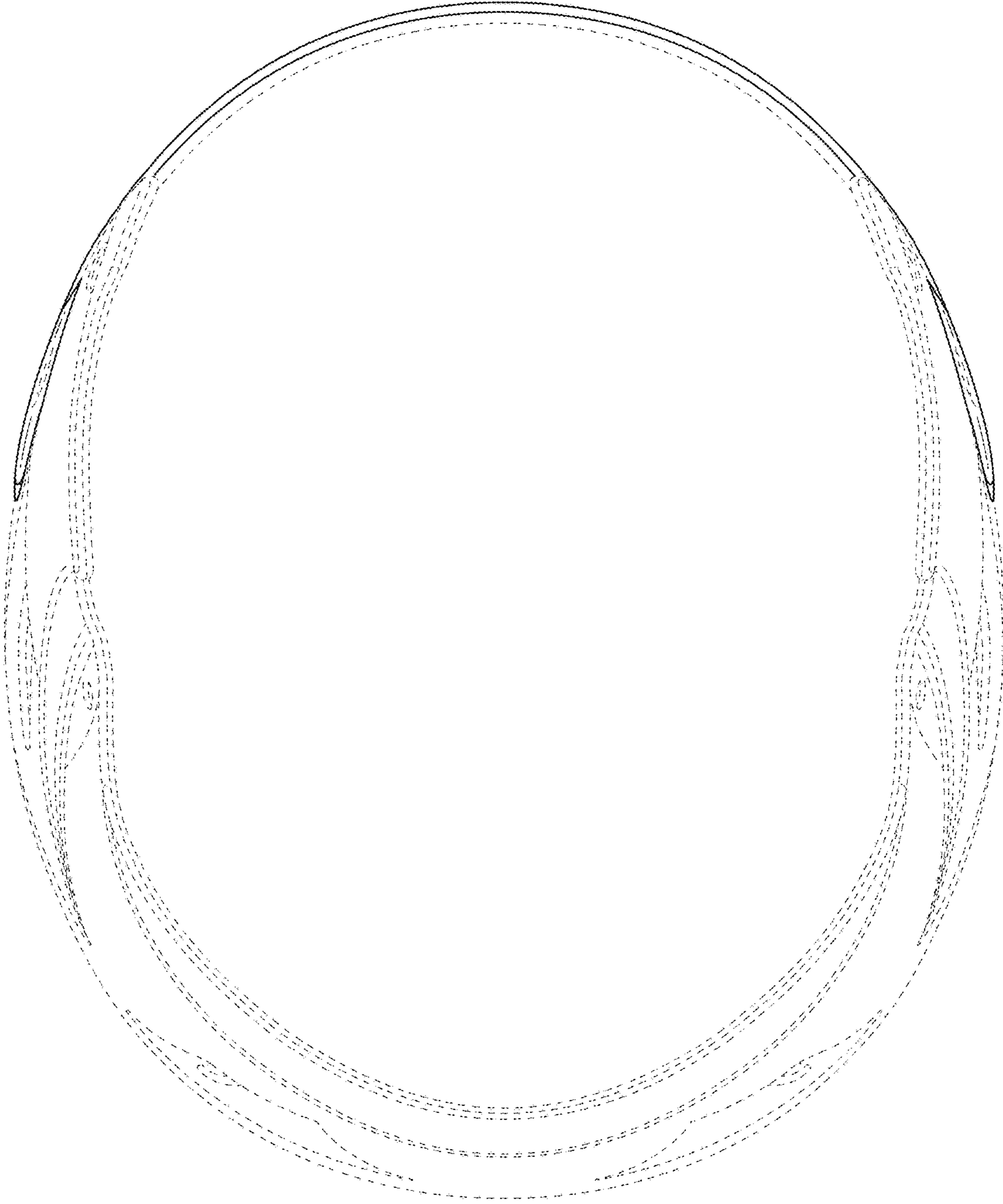


FIG. 6