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(12) **United States Design Patent** (10) **Patent No.:** **US D856,600 S**  
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(54) **FOOTBALL HELMET**

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- (73) Assignee: **Riddell, Inc.**, Des Plaines, IL (US)
- (\*\*) Term: **15 Years**
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**Related U.S. Application Data**

- (63) Continuation of application No. 29/653,358, filed on Jun. 14, 2018, now Pat. No. Des. 838,922, which is a continuation of application No. 16/007,635, filed on Jun. 13, 2018, which is a continuation of application No. 15/076,106, filed on Mar. 21, 2016, which is a  
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- (51) **LOC (12) Cl.** ..... **29-02**
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A42B 3/20; A42B 3/00; A42B 3/003;  
A42B 3/0406; A42B 3/0493; A42B 3/06;  
A42B 3/228

See application file for complete search history.

(56) **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

(Continued)

**FOREIGN PATENT DOCUMENTS**

- CH 692011 1/2002
- DE 8321097 U1 10/1983

(Continued)

**OTHER PUBLICATIONS**

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

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(57) **CLAIM**

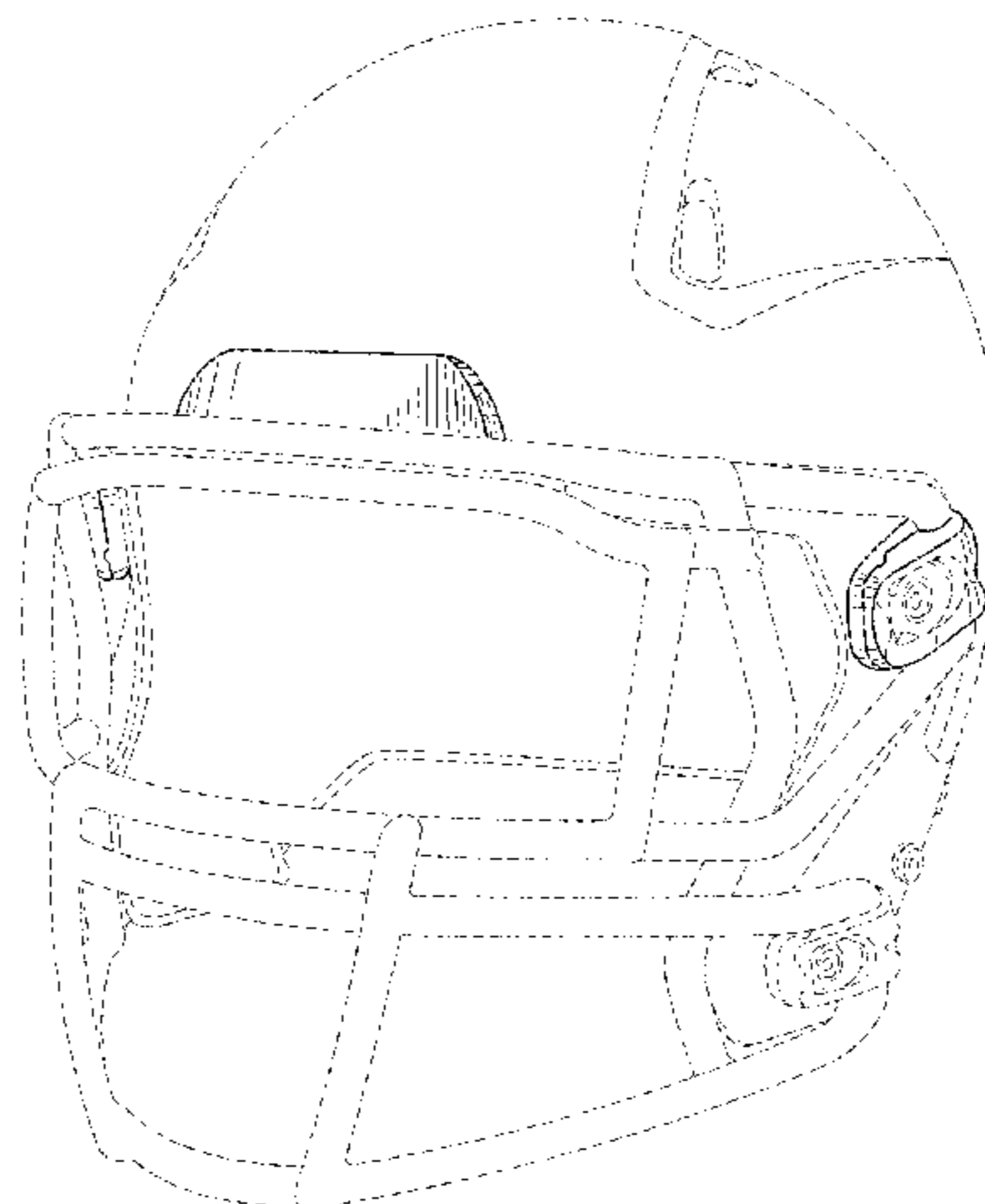
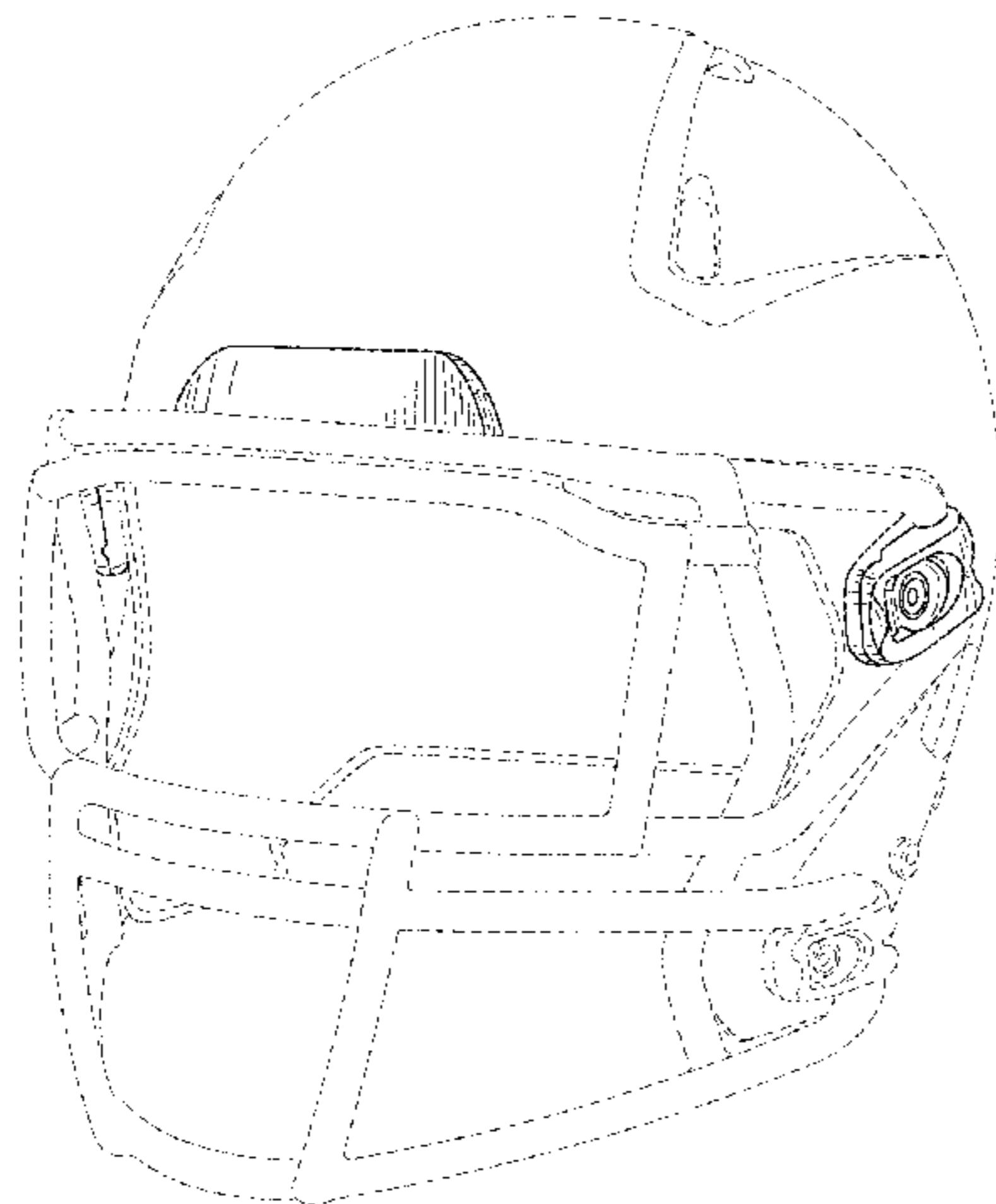
We claim the ornamental design for a football helmet, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a first embodiment of a football helmet;  
 FIG. 2 is a front view of the helmet of FIG. 1;  
 FIG. 3 is a side view of the helmet of FIG. 1, the opposite side being a mirror image; and  
 FIG. 4 is a top view of the helmet of FIG. 1.  
 FIG. 5 is a perspective view of a second embodiment of a football helmet;  
 FIG. 6 is a front view of the helmet of FIG. 5;  
 FIG. 7 is a side view of the helmet of FIG. 5, the opposite side being a mirror image; and  
 FIG. 8 is a top view of the helmet of FIG. 5.

Those portions of the present invention which are presented in broken or dotted lines show the environment of the design only and form no part of the claimed design. Moreover, any shading presented in the accompanying drawings is provided merely to highlight the contour of the invention and is not intended to be illustrative of texture or gloss.

**1 Claim, 8 Drawing Sheets**



**Related U.S. Application Data**

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(56)

**References Cited**

## U.S. PATENT DOCUMENTS

1,203,564 A	11/1916	April	3,155,981 A	11/1964	McKissick
1,262,818 A	4/1918	McGill	3,166,761 A	1/1965	Strohm
1,449,183 A	3/1923	Johnstone	3,167,783 A	2/1965	Wolfe
1,522,952 A	1/1925	Goldsmith	3,174,155 A	3/1965	Pitman
1,602,727 A	10/1926	Turner	3,186,004 A	6/1965	Carlini
1,637,692 A	8/1927	Fitzpatrick	3,187,342 A	6/1965	Aileo
1,655,007 A	1/1928	Boettge	3,189,917 A	6/1965	Sims
1,669,914 A	5/1928	Rogers	3,197,784 A	8/1965	Carlisle
1,691,202 A	11/1928	La Van	3,208,080 A	9/1965	Hirsch
1,705,879 A	3/1929	Rodgers	3,216,023 A	11/1965	Morgan
1,714,275 A	5/1929	Mullins	3,223,086 A	12/1965	Denton
D80,880 S	4/1930	Dickman	3,263,236 A	8/1966	Humphrey
D81,055 S	4/1930	Heater	3,274,612 A	9/1966	Merriam
1,833,708 A	11/1931	Ford	3,274,613 A	9/1966	Sowle
1,839,657 A	1/1932	Duchek	3,283,336 A	11/1966	Critser
1,841,232 A	1/1932	Wells	3,292,180 A	12/1966	Marietta
1,842,953 A	1/1932	Turner	3,296,582 A	1/1967	Ide
1,868,926 A	7/1932	Tatore	3,315,272 A	4/1967	Olt
1,892,943 A	1/1933	Geyer	3,323,134 A	6/1967	Swyers
1,997,187 A	4/1935	Taylor	3,327,313 A	6/1967	Oliver
D100,972 S	8/1936	Pryale	3,364,499 A	1/1968	Kwoka
2,081,335 A	5/1937	Levinson	D212,582 S	11/1968	Feldmann
2,105,028 A	1/1938	Dickhoff	3,418,657 A	12/1968	Lastnik
2,105,607 A	1/1938	McMillan	D213,085 S	1/1969	Wyckoff
2,125,854 A	8/1938	Standley	3,447,162 A	6/1969	Aileo
2,140,716 A	12/1938	Pryale	3,462,763 A	8/1969	Schneider
2,150,290 A	3/1939	Mulvey	3,478,365 A	11/1969	Varga
2,194,903 A	3/1940	Holstein	D216,988 S	3/1970	Je Rue
D123,638 S	11/1940	Perrin	3,500,472 A	3/1970	Castellani
2,250,275 A	7/1941	Riddell	D217,894 S	6/1970	Mikita
2,250,375 A	7/1941	Hegan	3,548,409 A	12/1970	Aileo
2,293,308 A	8/1942	Riddell, Sr.	3,548,410 A	12/1970	Parker
2,296,335 A	9/1942	Brady	3,551,911 A	1/1971	Holden
2,354,840 A	8/1944	Seletz	3,566,409 A	3/1971	Hopper
2,359,387 A	10/1944	Riddell	3,568,210 A	3/1971	Marietta
2,373,083 A	4/1945	Brewster	3,577,562 A	5/1971	Holt
2,451,483 A	10/1948	Goldsmith	3,590,388 A	7/1971	Holt
2,515,807 A	7/1950	Spooner	3,600,714 A	8/1971	Greathouse
2,525,389 A	10/1950	Zeller	D221,923 S	9/1971	Jones
2,570,182 A	10/1951	Daly	3,605,113 A	9/1971	Marietta
2,634,415 A	4/1953	Turner	3,609,764 A	10/1971	Morgan
D171,297 S	1/1954	D'Arbeloff	3,616,463 A	11/1971	Theodore
2,679,046 A	5/1954	Dye	3,619,813 A	11/1971	Marchello
2,688,747 A	9/1954	Marx	3,629,864 A	12/1971	Latina
2,758,304 A	8/1956	McGowan	3,713,640 A	1/1973	Margan
2,768,380 A	10/1956	Golomb	3,720,955 A	3/1973	Rawlings
2,777,127 A	1/1957	Marietta	3,729,744 A	5/1973	Rappleyea
2,779,228 A	1/1957	Meepos	3,729,746 A	5/1973	Humphrey
2,785,404 A	3/1957	Strohm	D228,211 S	8/1973	O'Connor
2,785,405 A	3/1957	Snyder	3,751,728 A	8/1973	Thompkins
D180,239 S	5/1957	McMurry	3,761,959 A	10/1973	Dunning
2,793,365 A	5/1957	Kleinman	3,783,450 A	1/1974	O Connor
2,850,740 A	9/1958	Adams	3,787,895 A	1/1974	Belvedere
2,861,272 A	11/1958	Stuart	3,793,241 A	2/1974	Kyle
2,863,151 A	12/1958	Morgan, Jr.	D230,911 S	3/1974	Ispas
2,867,811 A	1/1959	Jones	3,815,152 A	6/1974	Bednarczuk
2,890,457 A	6/1959	Marietta	3,818,508 A	6/1974	Lammers
2,904,645 A	9/1959	Sarles	3,820,163 A	6/1974	Rappleyea
2,944,263 A	7/1960	Rayburn	3,843,970 A	10/1974	Marietta
2,969,546 A	1/1961	Morgan, Jr.	3,849,801 A	11/1974	Holt
2,985,883 A	5/1961	Marietta	3,854,146 A	12/1974	Dunning
2,986,739 A	6/1961	Rozzi, Sr.	3,860,966 A	1/1975	Brown
3,039,108 A	6/1962	Lohrenz	D234,549 S	3/1975	Bell
3,055,013 A	9/1962	Aleo	3,882,547 A	5/1975	Morgan
3,097,559 A	7/1963	Chapman	3,889,296 A	6/1975	Martin
3,106,716 A	10/1963	Beebe	D235,941 S	7/1975	Stock
3,113,318 A	12/1963	Marietta	3,897,597 A	8/1975	Kasper
3,117,484 A	1/1964	Myers	3,916,446 A	11/1975	Gooding
3,122,752 A	3/1964	Marietta	D237,844 S	12/1975	Stock
3,139,624 A	7/1964	Humphrey	3,934,271 A	1/1976	Rhee
			3,992,721 A	11/1976	Morton
			3,994,020 A	11/1976	Villari
			3,994,021 A	11/1976	Villari
			3,994,022 A	11/1976	Villari
			3,999,220 A	12/1976	Keltner
			4,023,209 A	5/1977	Frieder
			4,023,213 A	5/1977	Rovani
			4,028,743 A	6/1977	Christensen
			4,044,400 A	8/1977	Lewicki

(56)

References Cited

U.S. PATENT DOCUMENTS

4,060,855 A	12/1977	Rappleyea	D319,112 S	8/1991	Broersma	
4,075,714 A	2/1978	Ryder	5,044,016 A	9/1991	Coombs	
4,086,664 A	5/1978	Humphrey	5,061,112 A	10/1991	Monford	
4,101,983 A	7/1978	Dera	5,083,321 A	1/1992	Davidsson	
4,136,403 A	1/1979	Walther	5,090,061 A	2/1992	Kamata	
D254,100 S	2/1980	Breger	5,093,936 A	3/1992	Copeland	
4,204,566 A	5/1980	Kirrish	5,093,937 A	3/1992	Kamata	
D255,394 S	6/1980	McNabb	5,093,939 A	3/1992	Noyerie	
D256,626 S	9/1980	Antonino	5,100,272 A	3/1992	Jadoul	
D257,073 S	9/1980	Jenkins	5,101,517 A	4/1992	Douglas	
4,233,687 A	11/1980	Lancellotti	5,119,516 A	6/1992	Broersma	
4,272,853 A	6/1981	Schuessler	5,129,108 A	7/1992	Copeland	
4,279,038 A	7/1981	Brueckner	5,136,728 A	8/1992	Kamata	
4,282,610 A	8/1981	Steigerwald	5,142,700 A	8/1992	Reed	
4,287,613 A	9/1981	Schulz	5,165,116 A	11/1992	Simpson	
4,307,471 A	12/1981	Lovell	D331,645 S	12/1992	Gallet	
4,326,303 A	4/1982	Rappleyea	D332,507 S	1/1993	Anderson	
D265,520 S	7/1982	Gooding	5,175,889 A	1/1993	Infusino	
D266,626 S	10/1982	Gooding	5,177,815 A	1/1993	Andujar	
D266,627 S	10/1982	Gooding	5,177,816 A	1/1993	Schmidt	
4,354,284 A	10/1982	Gooding	5,203,034 A	4/1993	Foehl	
D267,287 S	12/1982	Gooding	5,206,955 A	5/1993	Milligan	
4,363,140 A	12/1982	Correale	5,231,703 A	8/1993	Garneau	
4,370,759 A	2/1983	Zide	D339,427 S	9/1993	Gentes	
4,390,995 A	7/1983	Walck	5,263,203 A	11/1993	Kraemer	
4,398,306 A	8/1983	Gooding	5,263,204 A	11/1993	Butsch	
4,404,690 A	9/1983	Farquharson	5,267,353 A	12/1993	Milligan	
D271,249 S	11/1983	Farquharson	5,271,103 A	12/1993	Darnell	
D271,347 S	11/1983	Bourque	5,287,562 A	2/1994	Rush	
4,434,514 A	3/1984	Sundahl	5,291,880 A	3/1994	Almovist	
4,461,044 A	7/1984	Reiterman	5,293,649 A *	3/1994	Corpus	A42B 3/20 2/424
4,463,456 A	8/1984	Hanson	D347,300 S	5/1994	Gentes	
4,475,248 A	10/1984	L Abbe	D348,545 S	7/1994	Egger	
4,477,929 A	10/1984	Mattsson	D348,752 S	7/1994	Ho	
4,566,137 A	1/1986	Gooding	D350,710 S	9/1994	Keiffer	
D283,268 S	4/1986	Rebiskie	5,347,660 A	9/1994	Zide	
4,587,677 A	5/1986	Clement	D352,802 S	11/1994	Jeng	
D285,980 S	10/1986	McNabb	D352,803 S	11/1994	Sasaki	
4,627,115 A	12/1986	Broersma	D355,394 S	2/1995	Bezener	
4,633,531 A	1/1987	Nimmons	D357,554 S	4/1995	Garneau	
4,646,368 A	3/1987	Infusino	D357,555 S	4/1995	Brueckner	
4,651,356 A	3/1987	Zide	D358,003 S	5/1995	Losi	
4,665,569 A	5/1987	Santini	D358,004 S	5/1995	Losi	
4,667,348 A	5/1987	Sundahl	D358,232 S	5/1995	Bourque	
4,677,694 A	7/1987	Crow	D358,905 S	5/1995	Newman	
4,692,947 A	9/1987	Black	5,412,814 A	5/1995	Pernicka	
4,706,305 A	11/1987	Cho	5,418,257 A	5/1995	Weisman	
D295,800 S	5/1988	Shelton	D361,407 S	8/1995	Ho	
D295,902 S	5/1988	Foulkes	D361,408 S	8/1995	Ho	
4,741,054 A	5/1988	Mattes	D361,409 S	8/1995	Ho	
4,744,107 A	5/1988	Foehl	D362,084 S	9/1995	Egger	
4,766,614 A	8/1988	Cantwell	5,448,780 A	9/1995	Gath	
4,766,616 A	8/1988	Donahue	5,450,631 A	9/1995	Egger	
4,774,729 A	10/1988	Coates	5,452,979 A	9/1995	Cosenza	
D298,367 S	11/1988	Ball	5,461,730 A	10/1995	Carrington	
4,794,652 A	1/1989	Piech von Planta	D364,487 S	11/1995	Tutton	
D299,978 S	2/1989	Chiarella	5,483,699 A	1/1996	Pernicka	
4,808,469 A	2/1989	Hiles	5,493,736 A	2/1996	Allison	
4,831,668 A	5/1989	Schulz	5,494,323 A	2/1996	Huang	
4,837,866 A	6/1989	Rector	5,502,843 A	4/1996	Strickland	
4,853,980 A	8/1989	Zarotti	5,522,091 A	6/1996	Rudolf	
4,866,792 A	9/1989	Arai	D371,867 S	7/1996	Losi, II	
D303,851 S	10/1989	Gentes	D371,868 S	7/1996	Losi	
4,885,806 A	12/1989	Heller	D371,869 S	7/1996	Chen	
4,885,807 A	12/1989	Snow, Jr.	D372,342 S	7/1996	Chen	
4,903,346 A	2/1990	Reddemann	5,539,936 A	7/1996	Thomas	
4,903,350 A	2/1990	Gentes	5,553,330 A	9/1996	Carveth	
4,903,381 A	2/1990	Fohl	D378,236 S	2/1997	Zanotto	
4,916,759 A	4/1990	Arai	D378,624 S	3/1997	Chartrand	
D309,512 S	7/1990	Crow	D380,870 S	7/1997	Szabados	
4,937,888 A	7/1990	Straus	D382,671 S	8/1997	Shewchenko	
4,947,490 A	8/1990	Hayden	5,655,227 A	8/1997	Sundberg	
5,014,365 A	5/1991	Schulz	D383,953 S	9/1997	DeFilippo	
5,023,958 A	6/1991	Rotzin	5,661,854 A	9/1997	March, II	
5,035,009 A	7/1991	Wingo, Jr.	5,675,875 A	10/1997	Servatius	
			D387,501 S	12/1997	Cheng	
			D388,551 S	12/1997	Lu	
			D389,280 S	1/1998	Ho	

(56)

References Cited

U.S. PATENT DOCUMENTS

5,713,082	A	2/1998	Bassette		6,438,763	B2	8/2002	Guay	
5,724,681	A	3/1998	Sykes		6,442,765	B1	9/2002	Fallon	
5,732,414	A	3/1998	Monica		6,446,270	B1	9/2002	Durr	
5,734,994	A	4/1998	Rogers		D465,067	S *	10/2002	Ide .....	D29/106
5,737,770	A	4/1998	Chen		6,467,099	B2	10/2002	Dennis	
5,790,988	A	8/1998	Guadagnino, Jr.		6,481,024	B1	11/2002	Grant	
5,794,274	A	8/1998	Kraemer		D466,651	S	12/2002	Halstead	
5,799,337	A	9/1998	Brown		6,499,139	B1	12/2002	Brown	
5,829,065	A	11/1998	Cahill		6,499,147	B2	12/2002	Schiebl	
5,867,840	A	2/1999	Hirosawa		6,532,602	B2	3/2003	Watters	
D406,399	S	3/1999	Hohdorf		D475,486	S	6/2003	Ide	
5,883,145	A	3/1999	Hurley		6,604,246	B1	8/2003	Obreja	
D408,236	S	4/1999	Rennick		6,701,535	B2	3/2004	Dobbie	
5,913,412	A	6/1999	Huber		6,722,711	B2	4/2004	Kitzis	
5,915,537	A	6/1999	Dallas		D492,818	S	7/2004	Ide	
D412,376	S	7/1999	Jurga		6,772,447	B2	8/2004	Morrow	
D412,766	S	8/1999	Tang		D495,838	S	9/2004	Arai	
5,930,840	A	8/1999	Arai		D496,762	S	9/2004	Durocher	
5,938,878	A	8/1999	Hurley		6,826,509	B2	11/2004	Crisco, III	
5,940,890	A	8/1999	Dallas		6,874,170	B1	4/2005	Aaron	
5,943,706	A	8/1999	Miyajima		6,880,176	B2	4/2005	Timms	
5,946,735	A	9/1999	Bayes		6,925,657	B2	8/2005	Takahashi	
5,950,244	A	9/1999	Fournier		6,931,671	B2	8/2005	Skiba	
5,953,761	A	9/1999	Jurga		6,934,971	B2 *	8/2005	Ide .....	A42B 3/08 2/424
5,956,777	A	9/1999	Popovich		D509,928	S	9/2005	Barnoski	
D415,593	S	10/1999	Tang		6,938,272	B1	9/2005	Brown	
5,963,990	A	10/1999	White		D511,026	S	10/2005	Smith	
5,966,744	A	10/1999	Smith, Jr.		6,961,963	B2	11/2005	Rosie	
5,978,973	A *	11/1999	Chartrand .....	A42B 3/20 2/422	D512,534	S *	12/2005	Maddux .....	D29/106
5,991,930	A	11/1999	Sorrentino		7,036,151	B2	5/2006	Ide et al.	
6,047,400	A	4/2000	Spencer		D528,705	S	9/2006	Ide	
D426,677	S	6/2000	Ho		7,146,652	B2	12/2006	Ide	
6,070,271	A	6/2000	Williams		7,240,376	B2	7/2007	Ide	
6,073,271	A	6/2000	Alexander		D566,903	S	4/2008	Rogers	
6,079,053	A	6/2000	Clover, Jr.		D575,458	S	8/2008	Ho	
6,081,932	A	7/2000	Kraemer		7,430,767	B2	10/2008	Nagely	
6,128,786	A	10/2000	Maddux		D581,599	S	11/2008	Ferrara	
6,138,283	A	10/2000	Kress		D582,607	S	12/2008	Ferrara	
6,138,284	A	10/2000	Arai		7,328,462	B1	12/2008	Straus	
6,154,889	A	12/2000	Moore, III		D587,407	S	2/2009	Nimmons	
6,159,324	A	12/2000	Watters		D587,852	S *	3/2009	Nimmons .....	D29/106
6,178,560	B1	1/2001	Halstead		D587,853	S	3/2009	Nimmons	
6,189,156	B1	2/2001	Loiars		D587,854	S	3/2009	Nimmons	
6,199,219	B1	3/2001	Silken		D587,855	S	3/2009	Nimmons	
6,219,850	B1	4/2001	Halstead		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 .....	D29/106
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	
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		D628,749	S	12/2010	Daniel	
6,298,483	B1	10/2001	Schiebl		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 et al.	
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		D671,687	S	11/2012	Winningham	
D459,554	S	6/2002	Gatellet		8,418,270	B2	4/2013	Desjardins	
D459,555	S	6/2002	Gatellet		8,453,269	B2	6/2013	Hampton, II	
6,434,755	B1	8/2002	Halstead		8,499,366	B2	8/2013	Nimmons	
6,438,762	B1	8/2002	Jenkins		8,528,118	B2	9/2013	Ide	
					8,544,118	B2	10/2013	Brine, III	
					D695,465	S *	12/2013	Erb .....	D29/122
					8,656,520	B2	2/2014	Rush, III	
					D704,899	S *	5/2014	Erb .....	D29/122



(56)

**References Cited**

## OTHER PUBLICATIONS

- 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).  
 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.  
 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-B5, C1-7, D1-D5, G1-G5, 13 pages, commercially available before Apr. 29, 2003.  
 Photographs of three (3) helmets bearing labels A1-A6, E1-E5, and F1-F5, 9 pages, commercially available before May 1, 2001.  
 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).  
 Medalist Gladiator 1989 Fall and Winter Catalog (20 pages).  
 Marvel Comics, Magneto Revolution (2000), cover illustration.  
 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.  
 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.  
 Easton Bell Sports, Riddell Fact Sheet. [www.eastonbellsports.com/riddell-fact-sheet](http://www.eastonbellsports.com/riddell-fact-sheet), 3 pages.  
 Declaration of Dr. James Newman under 37 CFR 1.132 in Control No. 95/002,117.  
 Declaration of Allison Boersma Under 37 CFR § 1.132 in Control No. 95/002,117.  
 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).

(56)

## References Cited

## OTHER PUBLICATIONS

- 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 Invalidation Contentions, Case 1:16-cv-04496 (104 pages).
- Schutt's Final Invalidation Contentions Exhibit A '818 Patent, Case 1:16-cv-04496 (904 pages).
- Schutt's Final Invalidation Contentions Exhibit AB1—Alternate Com-bos Under 103—Ear Openings, Case 1:16-cv-04496 (29 pages).
- Schutt's Final Invalidation Contentions Exhibit AB2—Alternate Com-bos Under 103—Raised Central Band, Case 1:16-cv-04496 (58 pages).
- Schutt's Final Invalidation Contentions Exhibit AB3—Alternate Com-bos Under 103—Vent Openings, Case 1:16-cv-04496 (47 pages).
- Schutt's Final Invalidation Contentions Exhibit AB4—Alternate Com-bos Under 103—Chin Strap, Case 1:16-cv-04496 (31 pages).
- Schutt's Final Invalidation Contentions Exhibit AB5—Alternate Com-bos Under 103—Face Guard, Case 1:16-cv-04496 (32 pages).
- Schutt's Final Invalidation Contentions Exhibit AB6—Alternate Com-bos Under 103—Offset Band, Case 1:16-cv-04496 (11 pages).
- Schutt's Final Invalidation Contentions Exhibit AB7—Alternate Com-bos Under 103—Inflation, Case 1:16-cv-04496 (21 pages).
- Schutt's Final Invalidation Contentions Exhibit B '118 Patent, Case 1:16-cv-04496 (415 pages).
- Xenith's Final Invalidation Contentions, Case 1:16-cv-04496 (31 pages).
- Xenith's Invalidation Contentions Exhibits C1-C11 818 chart, Case 1:16-cv-04496 (341 pages).
- Xenith's Invalidation 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).
- David Bushing, Sports Equipment Price Guide (1995), pp. 236-238, 240-241, 243-244, 263.
- Bike Football Catalog 2002 (6 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).
- 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 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).

(56)

**References Cited**

OTHER PUBLICATIONS

Scholastic Coach, Spalding No. 100, Dec. 1950 (2 pages).  
Scholastic Coach, Spalding Helmet, Mar. 1959 (2 pages).

\* cited by examiner



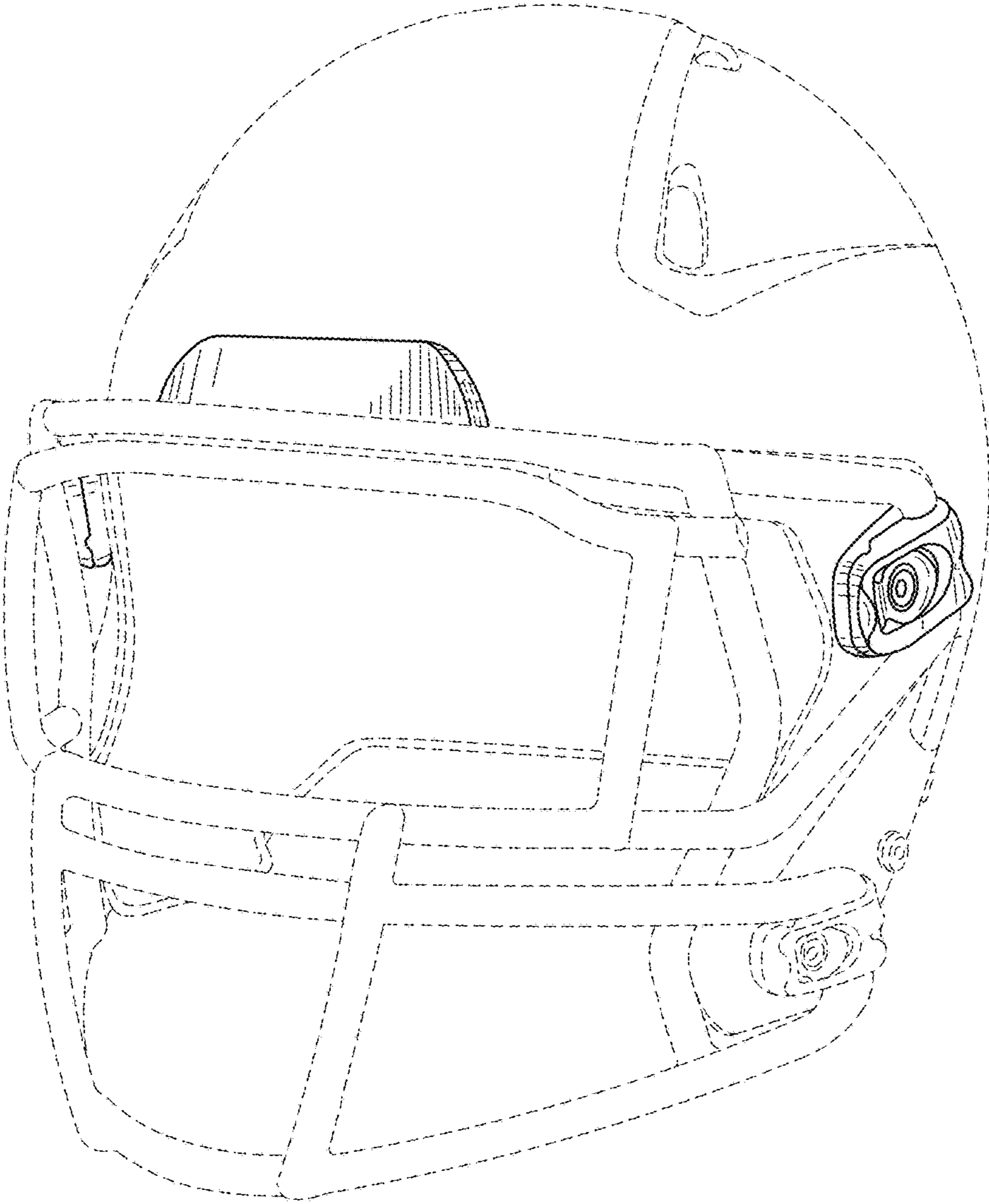


FIG. 1

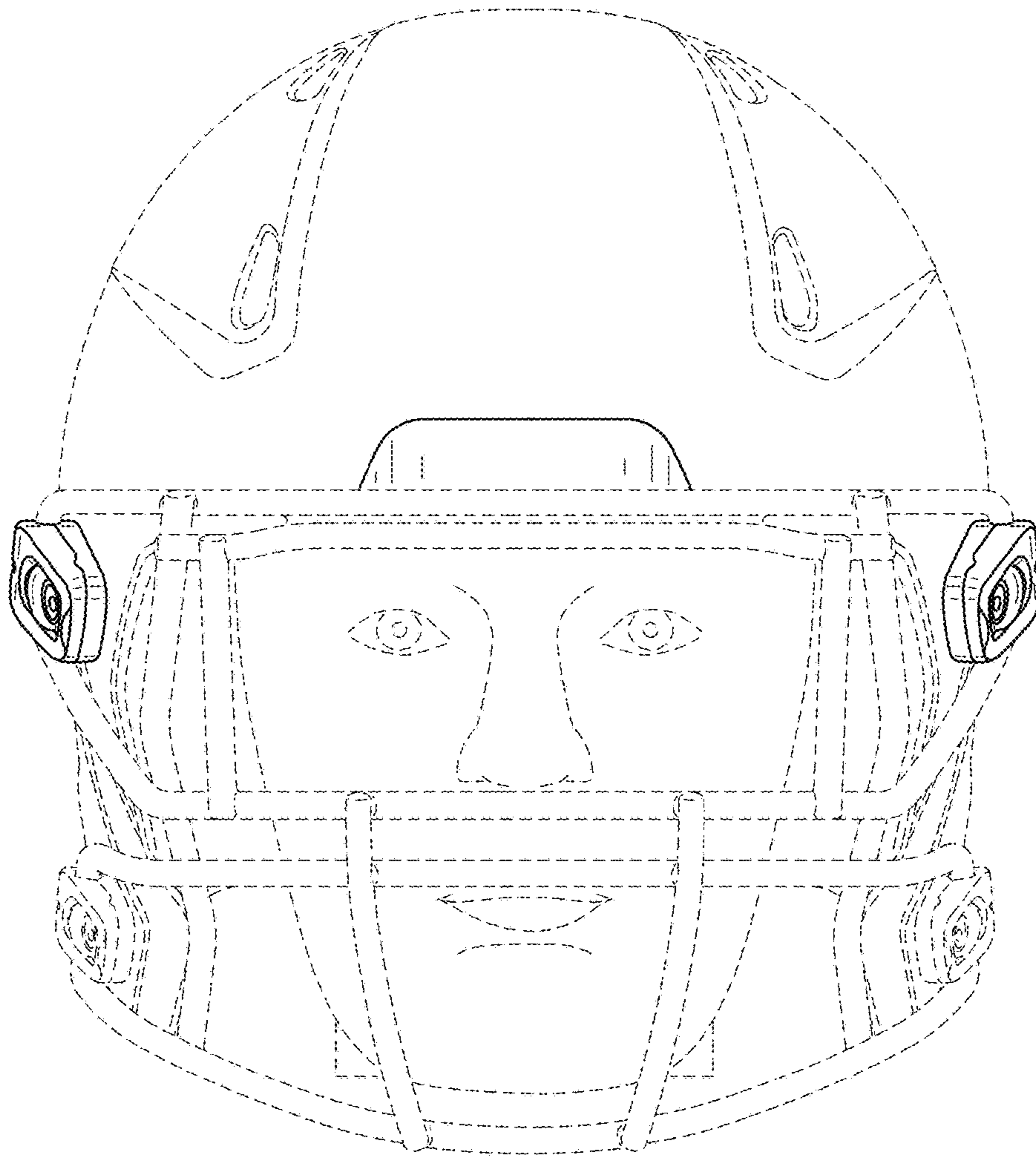


FIG. 2

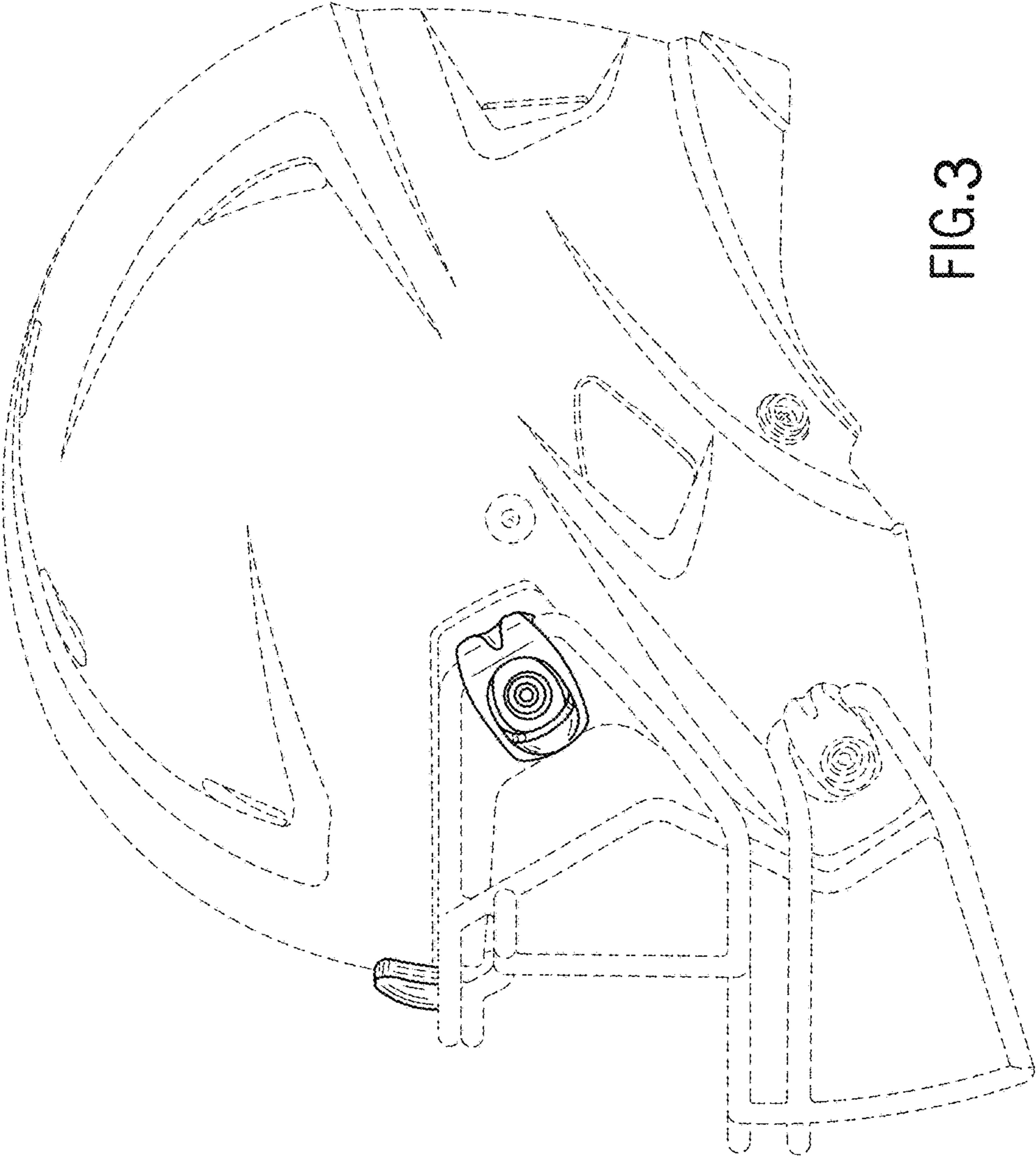


FIG.3

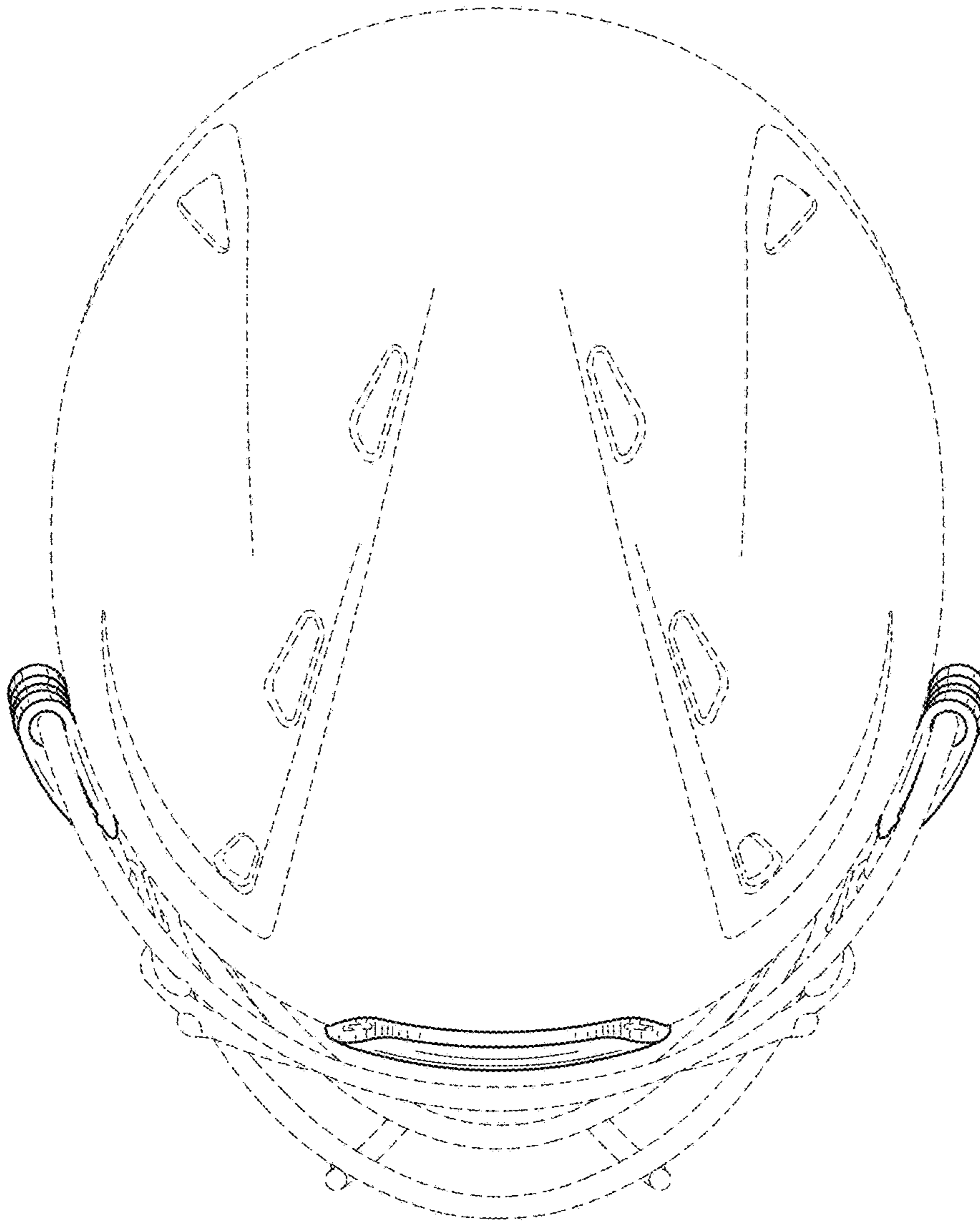


FIG.4

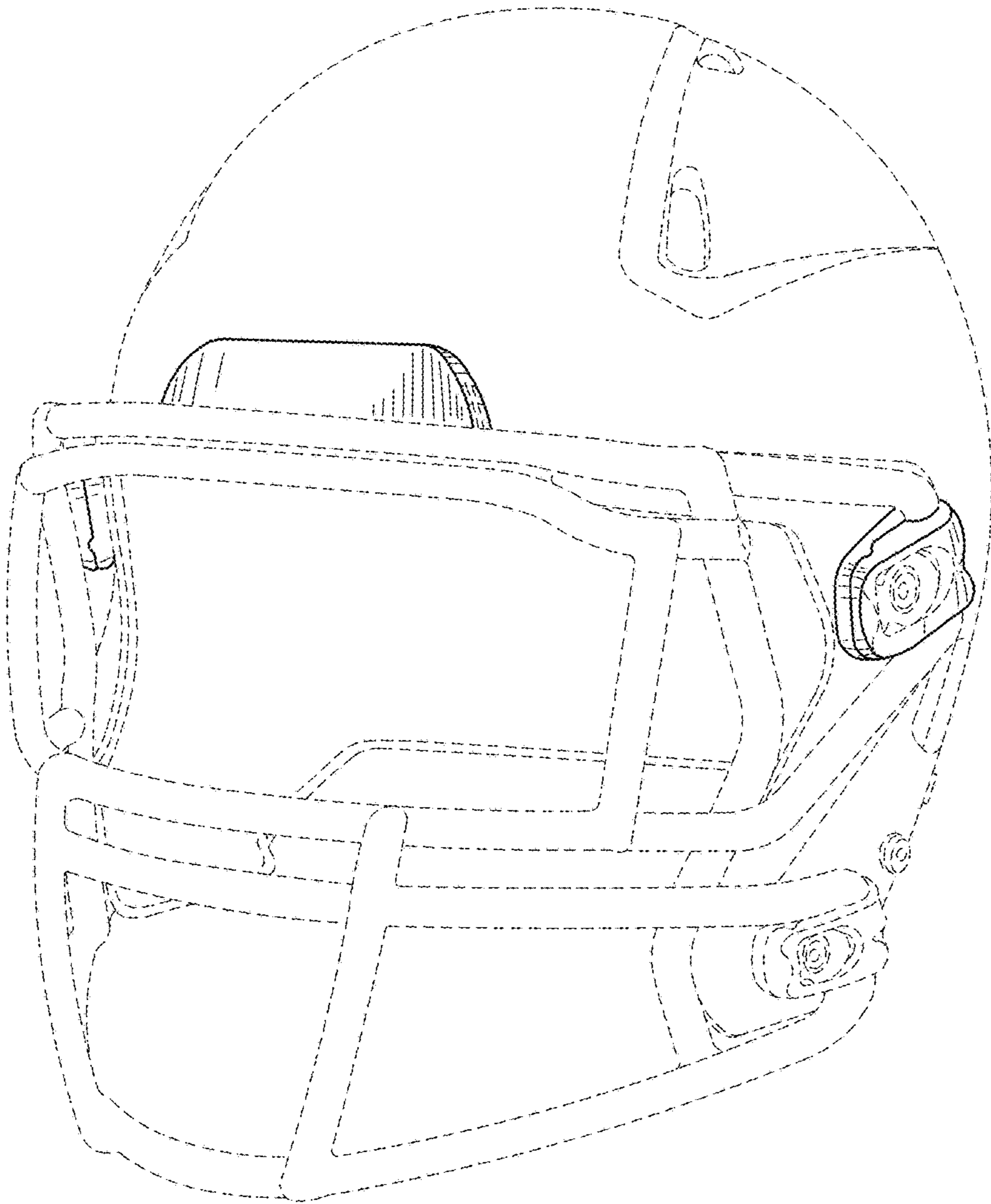


FIG. 5

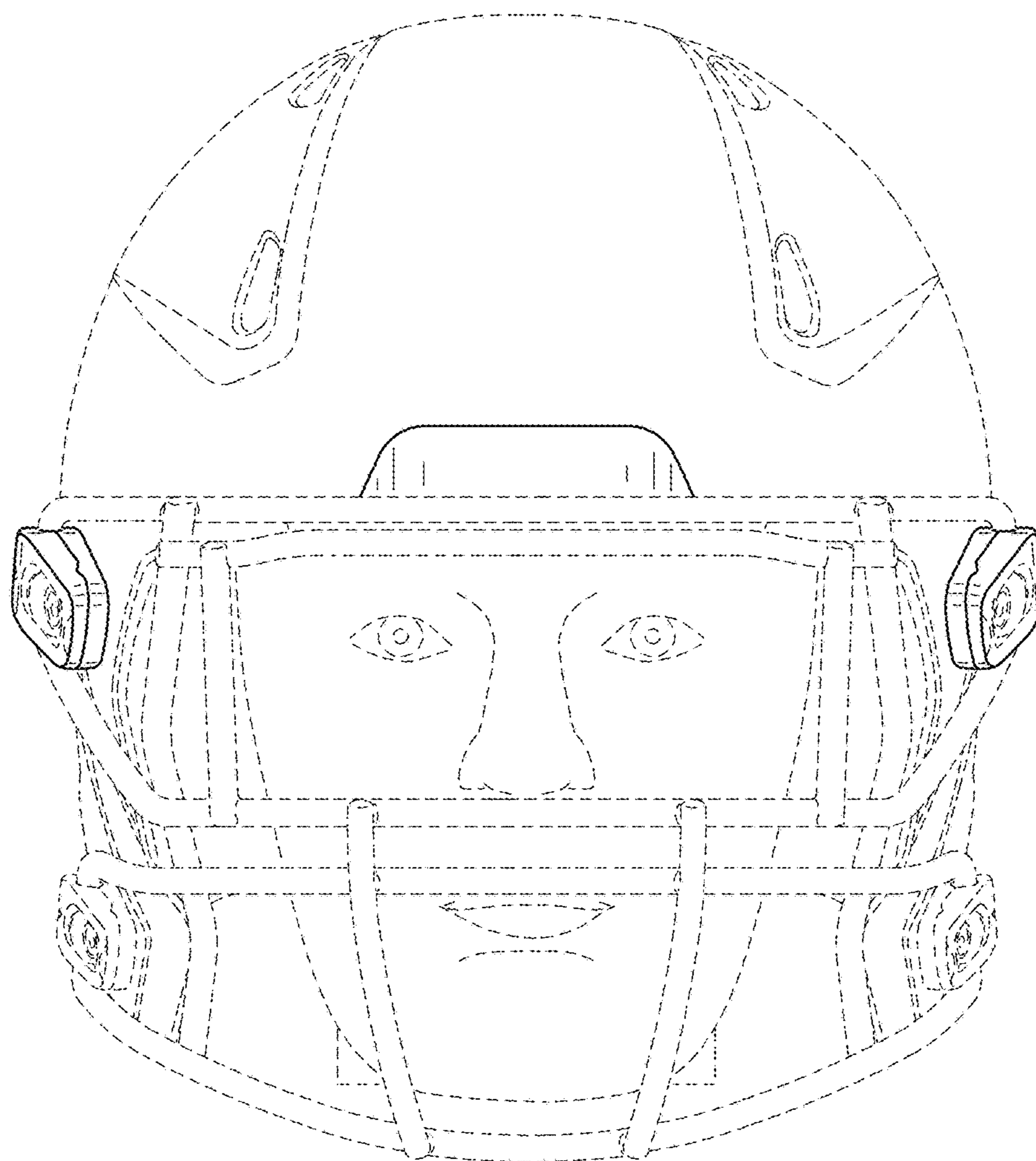


FIG. 6

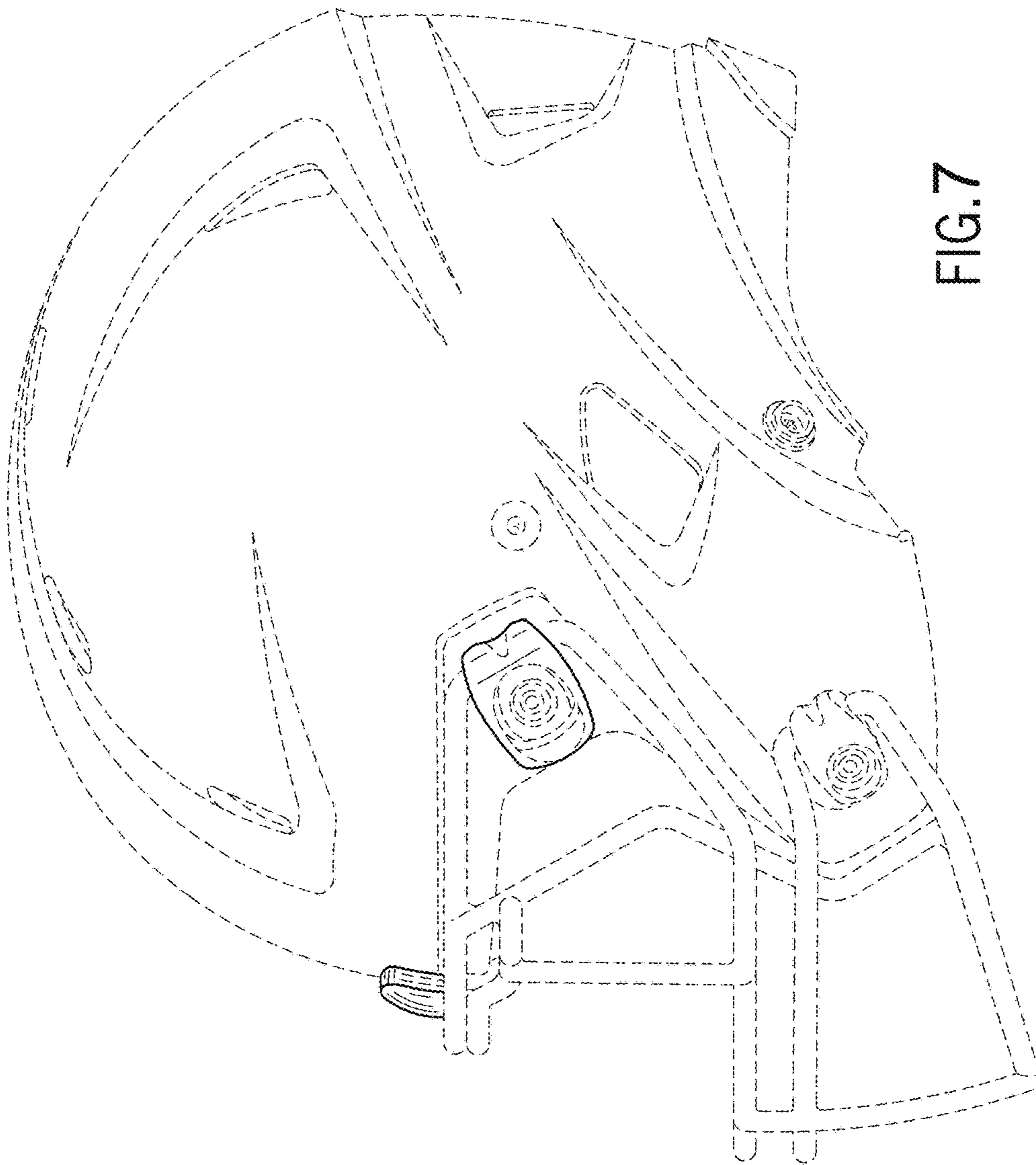


FIG. 7

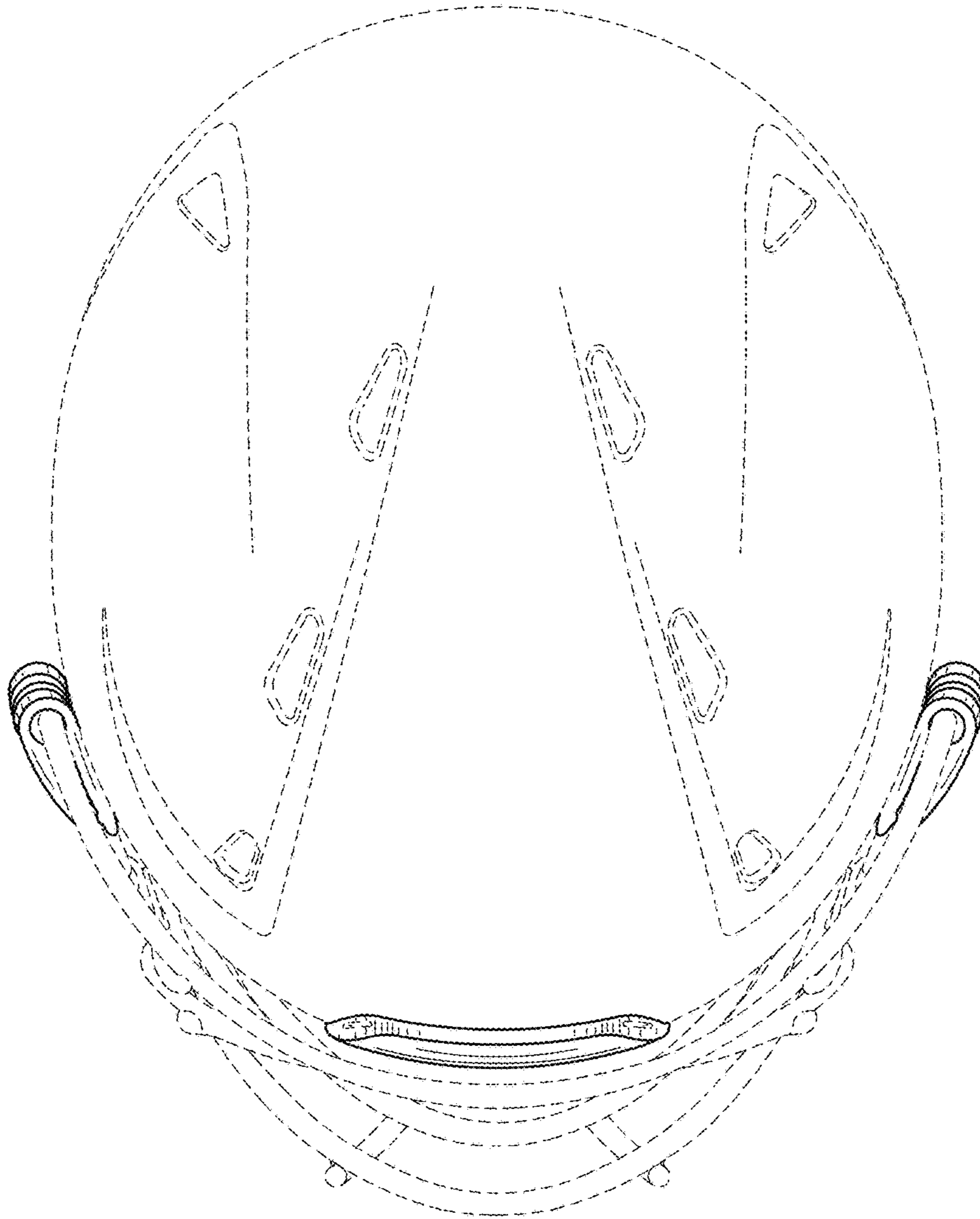


FIG. 8