



US00D895211S

(12) **United States Design Patent** (10) **Patent No.:** **US D895,211 S**  
**Noordzij et al.** (45) **Date of Patent:** **\*\* \*Sep. 1, 2020**

(54) **HELMET**

3/125; A42B 3/08; A42B 3/085; A42B 3/16; A42B 3/30; A42B 3/221-223; F41H 1/04; A63B 71/10

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See application file for complete search history.

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(56) **References Cited**

U.S. PATENT DOCUMENTS

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725,524 A	4/1903	Wetmore
1,723,276 A	8/1927	Gottlieb
2,345,051 A	3/1944	Jensen
2,399,030 A	4/1946	Hostetler
2,531,585 A	11/1950	Pope
2,862,071 A	11/1958	Bonnaffous
3,065,747 A	8/1959	Forkel
3,016,541 A	1/1962	Archbold
3,106,716 A	10/1963	Beebe
3,108,282 A	10/1963	Rehman et al.
3,187,342 A	6/1965	Aileo
3,197,785 A	8/1965	Simpson et al.
3,273,163 A	9/1966	Andrews
3,430,261 A	3/1969	Benner
3,461,463 A	8/1969	Beguin
3,470,564 A	10/1969	Aileo
3,477,067 A	11/1969	Aileo
3,480,966 A	12/1969	Molitoris
3,495,272 A	2/1970	Tempelhof
3,553,734 A	1/1971	Aileo
3,721,993 A	3/1973	Lonnstedt
3,795,919 A	3/1974	Aho et al.
3,815,152 A	6/1974	Bednarczuk et al.
3,845,505 A	11/1974	Davison et al.
3,864,756 A	2/1975	Desimone
3,886,596 A	6/1975	Franklin et al.
3,946,466 A	3/1976	Sakai et al.
3,970,082 A	7/1976	Leight
4,027,341 A	6/1977	Patteri et al.
4,042,974 A	8/1977	Morgan et al.
D245,646 S	9/1977	Land, Jr.
4,069,512 A	1/1978	Palmaer et al.
4,104,743 A	8/1978	Bottger et al.
D250,067 S	10/1978	Land, Jr.
4,156,292 A	5/1979	Helm et al.
4,222,123 A	9/1980	Hellberg
4,224,694 A	9/1980	Palmaer
4,316,290 A	2/1982	Montesi
4,347,631 A	9/1982	Newcomb
4,391,000 A	7/1983	Lonnstedt
4,516,192 A	5/1985	Bolwig
4,521,831 A	6/1985	Thayer
4,639,950 A	2/1987	Palmaer
4,692,947 A	9/1987	Black

(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/622,007**

(22) Filed: **Oct. 13, 2017**

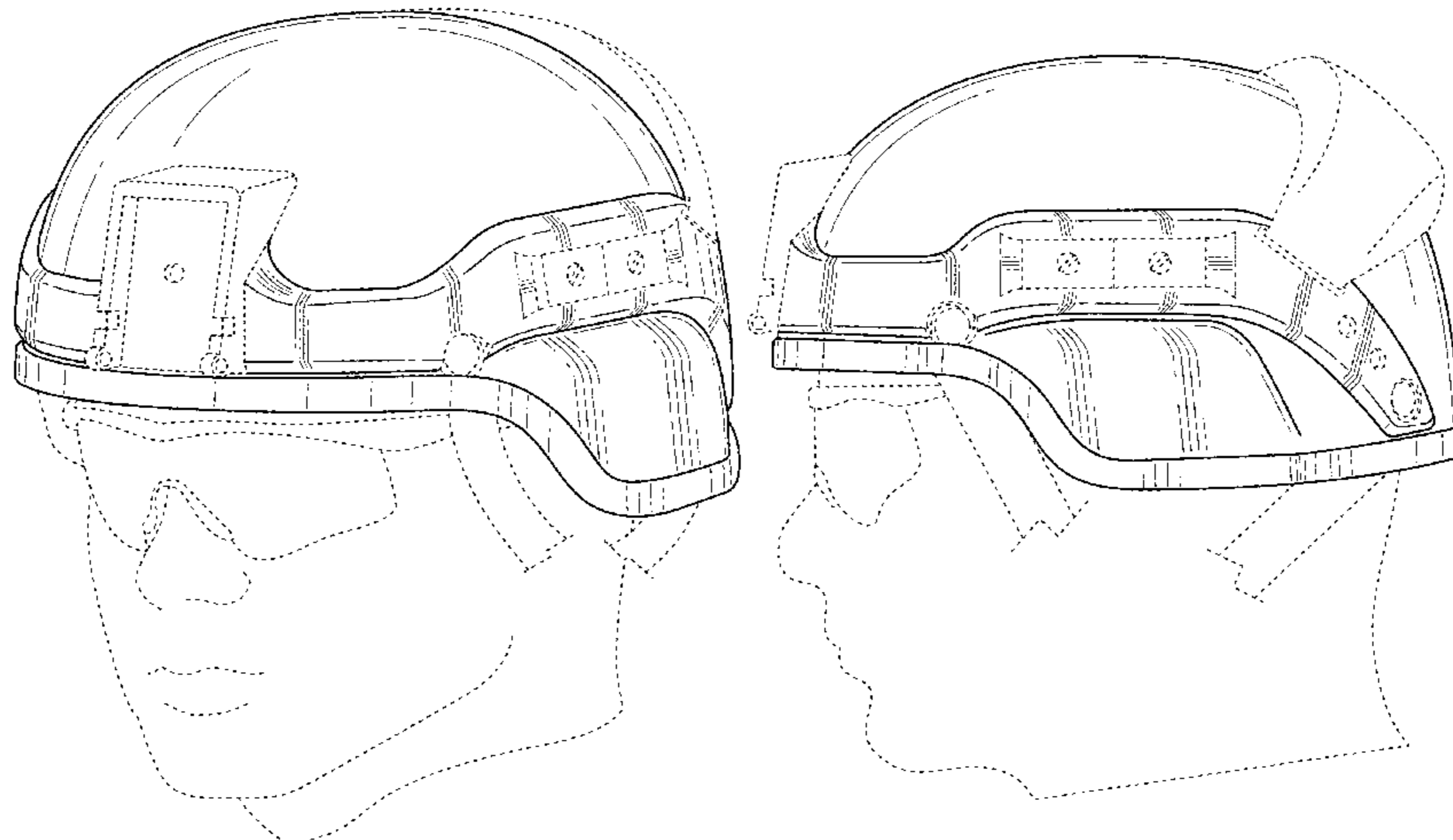
**Related U.S. Application Data**

(63) Continuation of application No. 15/631,668, filed on Jun. 23, 2017, which is a continuation of application No. 14/260,393, filed on Apr. 24, 2014, now Pat. No. 9,717,294, which is a continuation of application No. 13/224,559, filed on Sep. 2, 2011, now Pat. No. 9,072,328, which is a continuation of application No. 11/760,412, filed on Jun. 8, 2007, now Pat. No. 8,028,344, which is a continuation-in-part of application No. 11/350,591, filed on Feb. 9, 2006, now Pat. No. 7,908,667.

(51) **LOC (12) Cl.** ..... **02-03**

(52) **U.S. Cl.**  
USPC ..... **D29/102**

(58) **Field of Classification Search**  
USPC ..... D29/102-107, 122; D2/870; D16/208  
CPC .. A42B 3/00; A42B 3/003; A42B 3/04; A42B 3/0406; A42B 3/06; A42B 3/0433; A42B 3/044; A42B 3/0466; A42B 3/20; A42B 3/22; A42B 3/286; A42B 3/185; A42B 3/28; A42B 3/283; A42B 3/0453; A42B 3/0493; A42B 3/062; A42B 3/064; A42B



# US D895,211 S

4,788,724 A	12/1988	Lazzeroni et al.	D744,170 S *	11/2015	Eastwood .....	D29/102
4,897,888 A	2/1990	Broersma	9,241,527 B2 *	1/2016	Croteau .....	G02C 3/02
4,907,296 A	3/1990	Blecha	D750,846 S	3/2016	Noordzij et al.	
4,922,550 A	5/1990	Verona et al.	D750,847 S	3/2016	Noordzij et al.	
4,944,361 A	7/1990	Lindgren et al.	9,414,633 B2 *	8/2016	Giroux Bernier .....	A42B 3/30
4,953,963 A *	9/1990	Miller .....	9,433,252 B2 *	9/2016	Lebel .....	A42B 3/04
			9,439,470 B2 *	9/2016	McGinn .....	A42B 3/04
D320,477 S	10/1991	Hassfuther	D774,704 S *	12/2016	Hancock .....	D29/122
5,068,923 A	12/1991	Sjoqvist	9,622,529 B2 *	4/2017	Teetzel .....	A42B 3/04
5,077,839 A	1/1992	Keller	D788,377 S *	5/2017	Hanudel .....	D29/122
5,133,596 A	7/1992	Komy et al.	D788,379 S *	5/2017	Hancock .....	D29/122
D331,129 S	11/1992	Heinrich	9,693,595 B2 *	7/2017	Lebel .....	A42B 3/16
5,307,204 A	4/1994	Dor	9,700,096 B2 *	7/2017	McGinn .....	A42B 3/18
5,331,459 A	7/1994	Dor	9,717,294 B2 *	8/2017	Rogers .....	A42B 3/04
5,367,402 A	11/1994	Holmes et al.	9,775,395 B2 *	10/2017	Teetzel .....	A42B 3/042
5,371,905 A	12/1994	Keim	9,788,593 B2 *	10/2017	Lebel .....	A42B 3/326
5,546,610 A	8/1996	Herzig et al.	D807,588 S *	1/2018	Hancock .....	D29/122
5,551,094 A	9/1996	Navone	D812,309 S *	3/2018	Nellestam .....	D29/102
5,621,923 A	4/1997	Tapocik	D822,905 S *	7/2018	Thorsell .....	D29/102
5,638,544 A	6/1997	Sump	10,162,168 B2 *	12/2018	Teetzel .....	G02B 23/18
5,658,065 A	8/1997	Jamieson	D840,605 S *	2/2019	O'Connell .....	D29/122
5,790,681 A	8/1998	Leppalahti	10,281,241 B2 *	5/2019	Noordzij .....	F41H 1/08
5,907,868 A	6/1999	Schleger et al.	10,350,113 B2 *	7/2019	Le .....	A61F 11/14
5,915,538 A	6/1999	Basson et al.	10,371,487 B2 *	8/2019	Hall .....	F41H 1/04
5,937,439 A	8/1999	Barthold	10,383,387 B2 *	8/2019	Gendron .....	A42B 3/04
5,953,762 A	9/1999	Corbett	10,448,693 B2 *	10/2019	Noordzij .....	A42B 3/222
5,978,973 A	11/1999	Chartrand	10,492,555 B2 *	12/2019	Lebel .....	A42B 3/04
5,996,127 A	12/1999	Leslie	10,582,736 B2 *	3/2020	Vaccaro .....	A42B 3/166
6,009,561 A	1/2000	Bullock et al.	2002/0148032 A1	10/2002	Basson	
6,009,562 A	1/2000	Bullock et al.	2003/0115661 A1	6/2003	Dobbie	
6,052,833 A	4/2000	Norman	2003/0221245 A1	12/2003	Lee	
6,115,846 A	9/2000	Truesdale	2003/0221246 A1	12/2003	Lee	
6,283,620 B1	9/2001	Taylor et al.	2004/0003452 A1	1/2004	Schiebl	
D449,411 S	10/2001	Largeot	2004/0218776 A1	4/2004	Rolla	
6,311,338 B1	11/2001	Galet	2004/0143888 A1	7/2004	Bataille et al.	
D454,988 S	3/2002	Simpson	2004/0181856 A1	9/2004	Oleson	
6,352,383 B1	3/2002	Ristola	2004/0194194 A1	10/2004	McNeil et al.	
D455,524 S	4/2002	Simpson	2005/0132461 A1	6/2005	Koo	
D455,525 S	4/2002	Simpson	2006/0026882 A1	2/2006	Miller	
D457,274 S	5/2002	Taniuchi	2006/0126013 A1	6/2006	Himmele	
D457,691 S	5/2002	Taniuchi	2006/0282939 A1 *	12/2006	Rogers .....	A42B 3/04 2/422
6,389,606 B1	5/2002	Galet et al.	2007/0103891 A1	5/2007	Schot	
D458,415 S	6/2002	Taniuchi	2007/0226865 A1	10/2007	Lindgren	
D460,219 S	7/2002	Taniuchi	2008/0092278 A1	4/2008	Rogers et al.	
6,442,767 B1	9/2002	Meckes et al.	2008/0141429 A1	6/2008	Scharpenack	
6,457,179 B1	10/2002	Prendergast	2008/0184465 A1	8/2008	Chang	
6,472,776 B1	10/2002	Soto et al.	2009/0229043 A1 *	9/2009	Cyr .....	A42B 3/22 2/422
D476,779 S	7/2003	Tanaka	2009/0307826 A1	12/2009	Rogers et al.	
6,662,370 B1	12/2003	Buchanan, Jr.	2010/0175172 A1 *	7/2010	Dempsey .....	A42B 3/042 2/422
6,711,751 B1	3/2004	Muskovitz	2011/0072547 A1	3/2011	Doria	
6,751,810 B1	6/2004	Prendergast	2011/0314594 A1	12/2011	Rogers	
6,754,361 B1	6/2004	Hall et al.	2013/0031692 A1 *	2/2013	Wratten .....	F41H 1/08 2/6.6
6,754,911 B1	6/2004	Howell	2013/0114275 A1	5/2013	Cristoforo	
D497,040 S	10/2004	Strauss	2013/0191967 A1 *	8/2013	Harris .....	A42B 3/04 2/243.1
6,854,206 B2	2/2005	Oz	2013/0291290 A1 *	11/2013	Bernier .....	A42B 3/04 2/422
6,994,449 B2	2/2006	Kim	2014/0020159 A1	1/2014	Teetzel	
D518,923 S	4/2006	Curran	2015/0089726 A1 *	4/2015	Long .....	A42B 3/003 2/422
D535,059 S *	1/2007	Lam .....	2015/0189939 A1 *	7/2015	Roberts .....	A42B 3/04 2/422
7,570,301 B2	8/2009	Gilor	2015/0245682 A1	9/2015	McGinn	
7,631,365 B1	12/2009	Mahan	2016/0088591 A1 *	3/2016	Kim .....	H04W 72/04 370/338
D607,588 S *	1/2010	Woolley .....	2016/0088891 A1	3/2016	Walsh	
7,736,013 B2	6/2010	Griffin	2016/0324248 A1 *	11/2016	Winters .....	A42B 1/24
7,805,776 B2	10/2010	Crossman et al.	2017/0150769 A1 *	6/2017	Lebel .....	A42B 3/30
7,841,026 B2	11/2010	Makris et al.	2017/0280807 A1	10/2017	Rogers et al.	
7,849,517 B2	12/2010	Rogers et al.	2018/0231404 A1 *	8/2018	Kitain .....	A42B 3/042
D635,305 S *	3/2011	Lebel .....	2020/0000167 A1 *	1/2020	Noordzij .....	A42B 3/044
7,908,667 B2	3/2011	Rogers et al.	2020/0080820 A1 *	3/2020	White .....	A42B 3/166
D638,167 S	5/2011	Carey				
8,028,344 B2	10/2011	Rogers et al.				
D659,291 S	5/2012	Richard				
8,671,467 B2 *	3/2014	Tack .....				
8,739,313 B2 *	6/2014	Teetzel .....				
8,826,463 B2	9/2014	Teetzel et al.				
D715,003 S *	10/2014	Ramos .....				
9,072,328 B2	7/2015	Rogers et al.				
D735,950 S	8/2015	Dion				
D743,112 S	11/2015	Brown				

FOREIGN PATENT DOCUMENTS

CA	1122351	4/1982
CH	631061	7/1982
DE	1735005	6/1972
DE	8714490	9/1988
DE	8907790	8/1989
DE	19520386	6/1995
DE	19721146	11/2000
DE	10108458	9/2002
FR	2565057	11/1985
FR	2573964	6/1986
FR	2637808	4/1990
FR	2676652	11/1992
FR	2691071	11/1993
FR	2720909	12/1995
FR	2855248	11/2004
JP	58-048724	4/1983
JP	62-110236	7/1987
JP	53-73323	5/1988
JP	03-022026	3/1991
JP	2004032340	1/2004
KR	20-2003-0039621	3/2004
WO	D271878	9/2002

OTHER PUBLICATIONS

OPS-Core, Inc., Product Catalog, 2012, 23 pages.  
 T.J. Gander, Tomorrow's Infantry Warrior, Armada International, Oct./Nov. 2003; 27, 5: at 68.  
 IHS Markit, French Future Soldier System Shapes Up in Time for 2005 Showing, International Defense Review, Apr. 1, 1999.  
 IHS Markit, Canadian Army to Receive Ballistic Protective Visors, Jane's Defence Weekly, Aug. 5, 2004.  
 NATO's Nations and Partners for Peace, Saab's Soldier Modernisation Programme, An Industrial Example, V/2004 at 93-94.  
 James E. Melzer, Integrated Headgear for the Future Force Warrior and Beyond, Proceedings of SPIE—The International Society for Optical Engineering, 5801, May 1, 2005.  
 David W. Tack and Philip M. Gaughan, Final Human Factors Compatibility Trial of the New Canadian Soldier's Helmet, Nov. 1996.

Eye Safety Systems, Inc., ESS—Fire Protection Catalog 2004.  
 Angelique Scharine, PhD, The impact of Helmet Design on Sound Detection and Localization, Army Research Laboratory, J. Acoustical Society of Amer., May 2005.  
 Shawn M. Walsh, Michael Maher, & Suresh Advani, Manufacturing a More Affordable Army through Low Cost Composite Processing, The AMPTIAC Quarterly, 2004, at 44-48.

\* cited by examiner

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(57) **CLAIM**

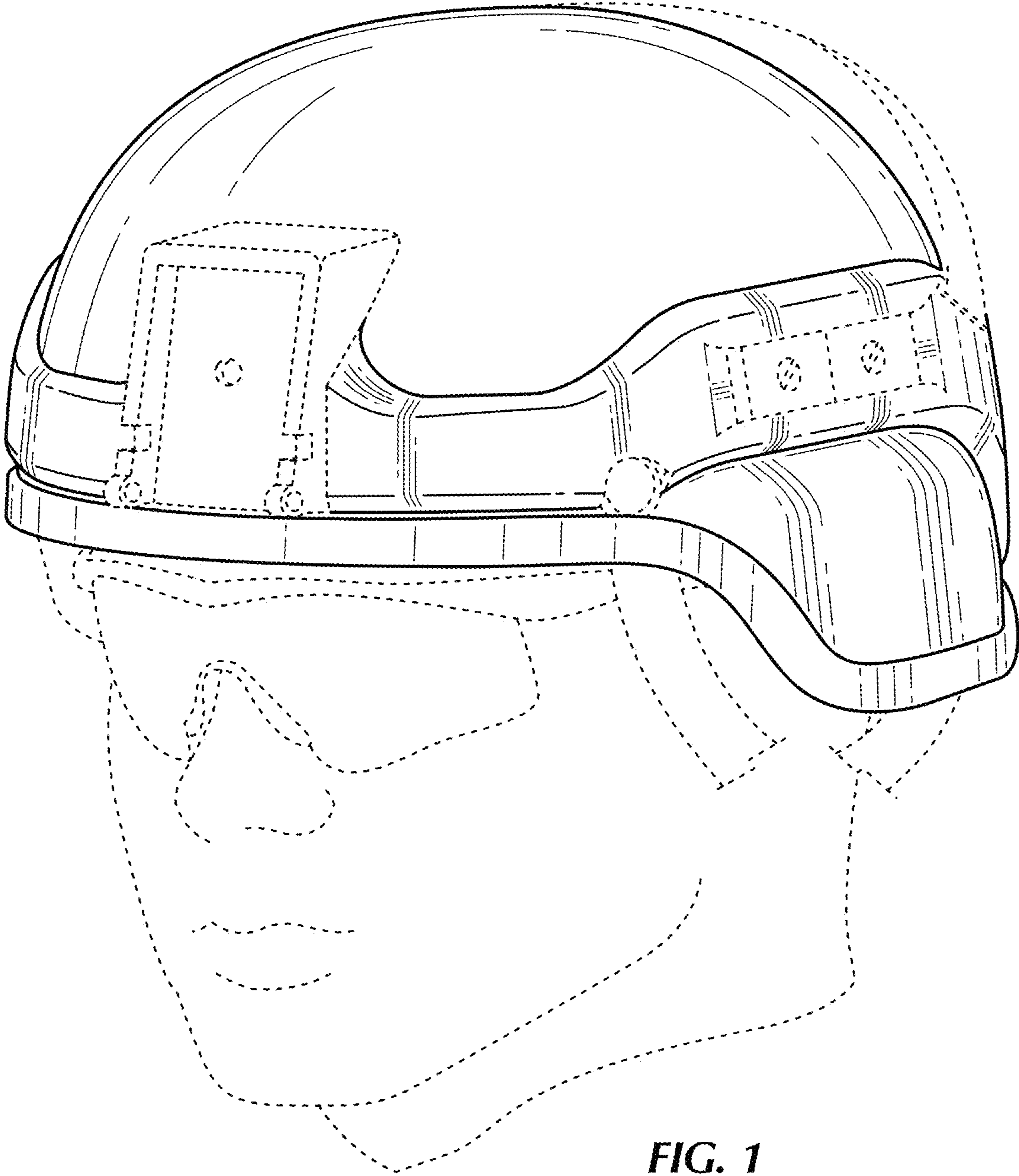
The ornamental design for a helmet, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a helmet in accordance with our new design;  
 FIG. 2 is a left-side elevational view of the helmet shown in FIG. 1, the right-side elevational view being a mirror image thereof;  
 FIG. 3 is a front elevational view of the helmet shown in FIG. 1; and,  
 FIG. 4 is a rear elevational view of the helmet shown in FIG. 1.

The broken lines depicting a person's head represents environmental subject matter that forms no part of the claimed design. The broken lines immediately adjacent the shaded areas on the helmet represent the bounds of the claimed design while the remaining broken lines are directed to portions of the helmet that form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



**FIG. 1**

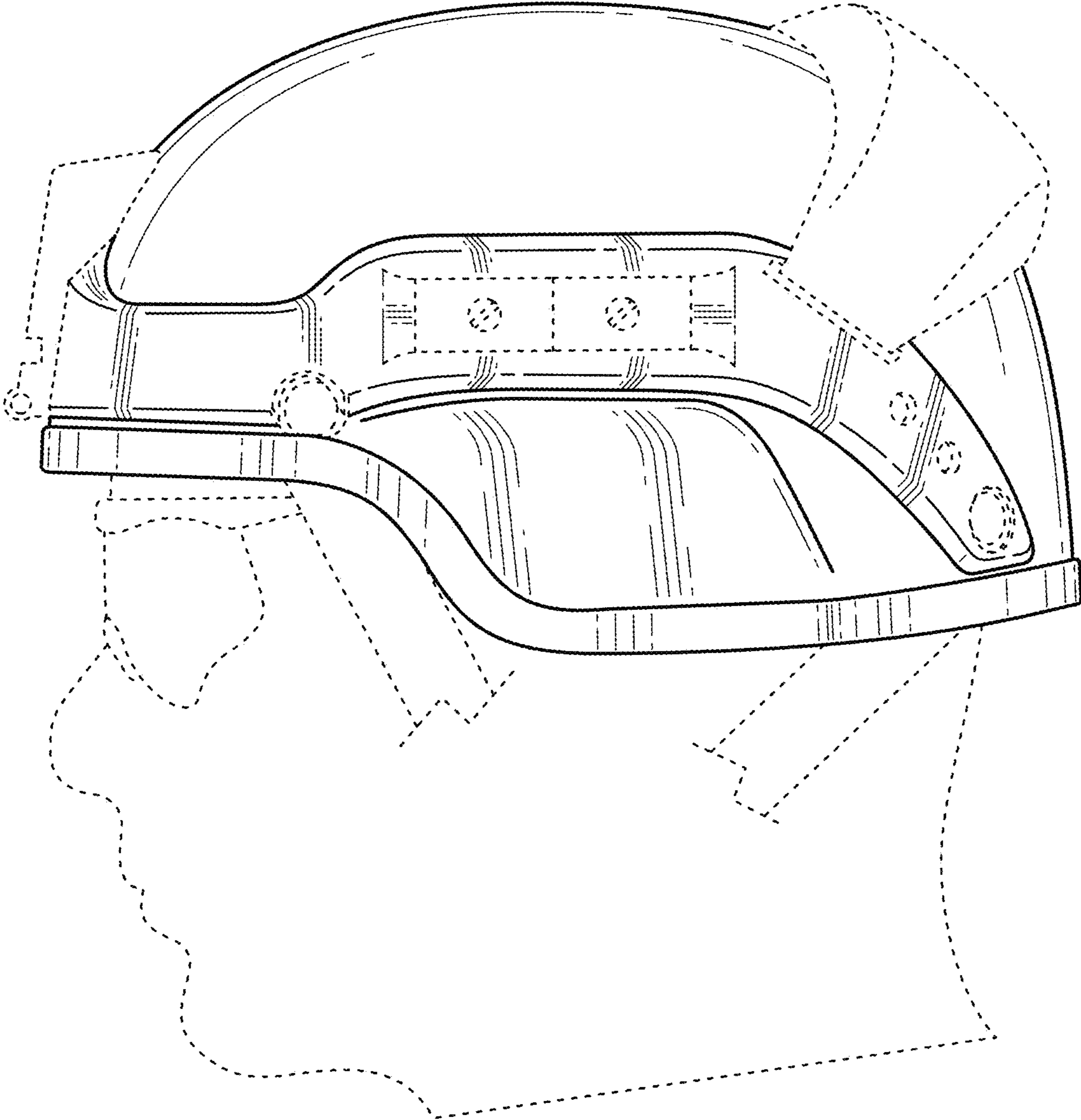
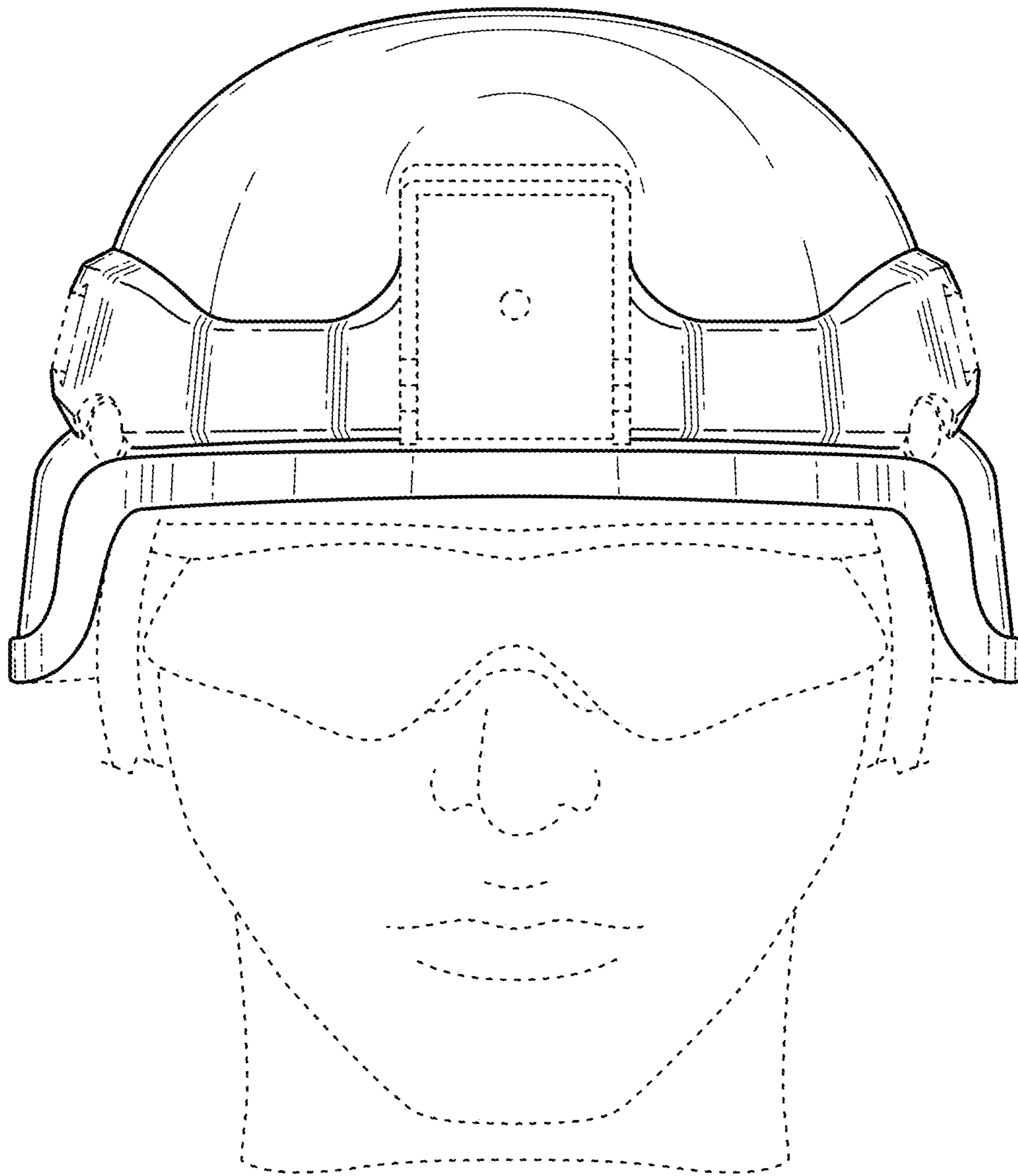
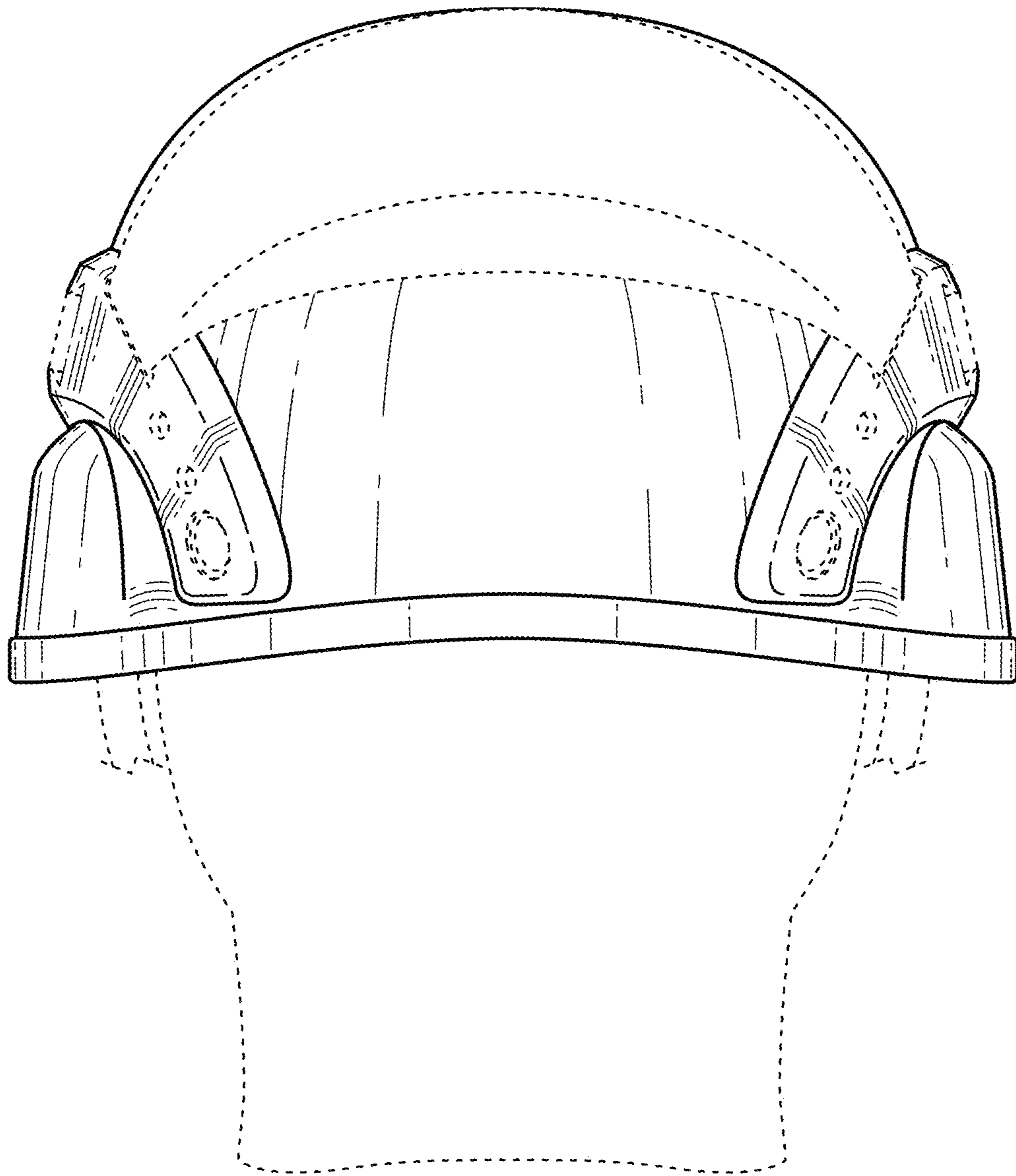


FIG. 2



**FIG. 3**



**FIG. 4**