



US00D797181S

(12) **United States Design Patent** (10) **Patent No.:** **US D797,181 S**  
**Seo et al.** (45) **Date of Patent:** **\*\* Sep. 12, 2017**

(54) <b>HEAD-MOUNTED DISPLAY DEVICE</b>	3,678,929 A * 7/1972 Buscher .....	A41D 13/11 128/206.13
(71) Applicant: <b>Samsung Electronics Co., Ltd.,</b> Suwon-si (KR)	3,781,560 A * 12/1973 DeBurgh .....	G02C 11/04 250/214 VT
(72) Inventors: <b>Yong Seo, Seoul (KR); Minki Ham,</b> <b>Seoul (KR); Jinsoo Kim, Yongin-si</b> <b>(KR)</b>	4,021,862 A * 5/1977 Glasser .....	A61F 9/022 2/431
(73) Assignee: <b>SAMSUNG ELECTRONICS CO.,</b> <b>LTD., Suwon-si (KR)</b>	4,602,856 A * 7/1986 Marks .....	G02C 7/16 351/44
(**) Term: <b>15 Years</b>	D327,489 S * 6/1992 Kaye .....	D16/304
(21) Appl. No.: <b>29/573,320</b>	D351,850 S * 10/1994 Bolle .....	D16/304
(22) Filed: <b>Aug. 4, 2016</b>	D358,150 S * 5/1995 Lewis, Jr. ....	D14/205
(30) <b>Foreign Application Priority Data</b>	D370,909 S * 6/1996 Oikawa .....	D14/372
Jun. 22, 2016 (KR) .....	D389,826 S * 1/1998 Cousins .....	D14/135
30-2016-0030481	D433,023 S * 10/2000 Pinchuk .....	D14/372
(51) <b>LOC (10) Cl.</b> .....	D439,265 S * 3/2001 Hayashi .....	D14/372
(52) <b>U.S. Cl.</b>	6,379,003 B1 * 4/2002 Seong .....	G02C 3/003 351/156
(58) <b>Field of Classification Search</b>		
USPC .....		
CPC .....		

(Continued)

*Primary Examiner* — Karen Kearney  
*Assistant Examiner* — Sanjeev Paul  
(74) *Attorney, Agent, or Firm* — McAndrews Held & Malloy, Ltd.

(57) **CLAIM**

The ornamental design for a head-mounted display device, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a head-mounted display device showing our new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a left side elevation view thereof;  
FIG. 5 is a right side elevation view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof; and,  
FIG. 8 is bottom perspective view thereof.  
The broken lines in the drawings represent portions of the head-mounted display device that form no part of the claimed design.

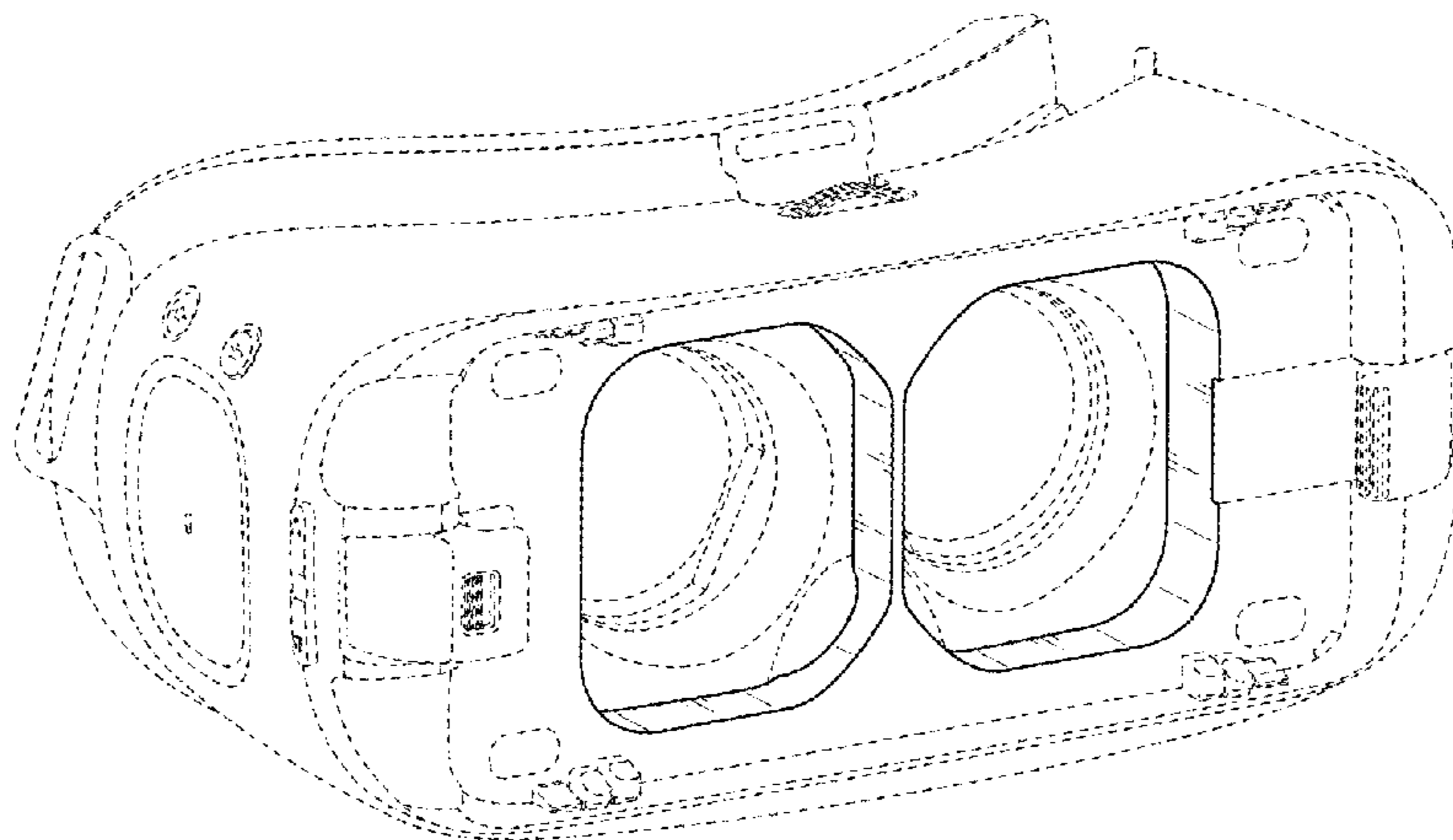
**1 Claim, 8 Drawing Sheets**

(30) **Foreign Application Priority Data**  
Jun. 22, 2016 (KR) ..... 30-2016-0030481  
(51) **LOC (10) Cl.** ..... **16-06**  
(52) **U.S. Cl.**  
USPC ..... **D16/312**  
(58) **Field of Classification Search**  
USPC ..... D16/101, 300-342, 900; D29/109-110;  
D21/483, 659-661; D14/372; 351/41,  
351/44, 45-48, 51-52, 62, 158, 92,  
351/103-123, 140-153, 63, 59; 2/13, 15,  
2/426-432, 447-449, 441, 434-437  
CPC ..... G02C 2200/08; G02C 1/06; G02C 5/14;  
G02C 11/02; G02C 11/04; G02C 5/16;  
G02C 2200/22; G02C 5/146; G02C  
5/2254; G02C 5/008; G01C 5/16; A61M  
2021/0044; G02B 27/2228  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D182,465 S \* 4/1958 Hoffmaster ..... D16/303  
D184,011 S \* 12/1958 Hirschmann ..... D16/303



(56)

References Cited

U.S. PATENT DOCUMENTS

D461,486 S \* 8/2002 Katagiri ..... D16/300  
 D513,032 S \* 12/2005 Diamantidis ..... D16/300  
 D537,466 S \* 2/2007 Kratz ..... D16/311  
 D566,744 S \* 4/2008 Travers ..... D16/300  
 D583,850 S \* 12/2008 Jabali ..... D16/309  
 7,478,904 B2 \* 1/2009 Oliver, III ..... G02B 27/2221  
 351/41  
 D673,995 S \* 1/2013 Hodgson ..... D16/300  
 D680,575 S \* 4/2013 Takami ..... D16/309  
 D681,092 S \* 4/2013 Sogabe ..... D16/309  
 8,743,463 B2 \* 6/2014 Fujishiro ..... G02B 27/0172  
 345/8  
 8,994,612 B2 \* 3/2015 Fujishiro ..... G02B 27/0172  
 345/8  
 D726,245 S \* 4/2015 Johnson ..... D16/300  
 D749,583 S \* 2/2016 Luckey ..... D14/372  
 D751,072 S \* 3/2016 Lyons ..... D14/372  
 D753,111 S \* 4/2016 Fei ..... D14/372  
 D753,112 S \* 4/2016 Fei ..... D14/372  
 D753,113 S \* 4/2016 Fei ..... D14/372  
 D755,881 S \* 5/2016 Johnson ..... D16/300  
 D760,313 S \* 6/2016 Ho ..... D16/330  
 D763,256 S \* 8/2016 Zellweger ..... D14/372

D764,465 S \* 8/2016 Clement ..... D14/372  
 D764,466 S \* 8/2016 Kim ..... D14/372  
 D765,757 S \* 9/2016 Katopis ..... D16/309  
 D766,896 S \* 9/2016 Li ..... D14/372  
 D769,242 S \* 10/2016 Kymm ..... D14/372  
 D771,626 S \* 11/2016 Ko ..... D14/372  
 D771,736 S \* 11/2016 Nuovo ..... D16/312  
 D773,460 S \* 12/2016 Yang ..... D14/372  
 D773,461 S \* 12/2016 Jiang ..... D14/372  
 D775,128 S \* 12/2016 Zellweger ..... D14/372  
 D775,129 S \* 12/2016 Zellweger ..... D14/372  
 D775,261 S \* 12/2016 Katopis ..... D16/300  
 D776,110 S \* 1/2017 Gribetz ..... D14/372  
 D777,164 S \* 1/2017 Zellweger ..... D14/372  
 D778,909 S \* 2/2017 Nokuo ..... D14/372  
 D779,486 S \* 2/2017 Zellweger ..... D14/372  
 D780,751 S \* 3/2017 Park ..... D14/372  
 D780,753 S \* 3/2017 Park ..... D14/372  
 D781,288 S \* 3/2017 Park ..... D14/372  
 D781,289 S \* 3/2017 Patel ..... D14/372  
 D785,619 S \* 5/2017 Su ..... D14/372  
 D785,620 S \* 5/2017 Zhang ..... D14/372  
 2008/0198324 A1 \* 8/2008 Fuziak ..... G02B 27/0172  
 351/158  
 2008/0304007 A1 \* 12/2008 Brillouet ..... G02C 11/00  
 351/158

\* cited by examiner

FIG. 1

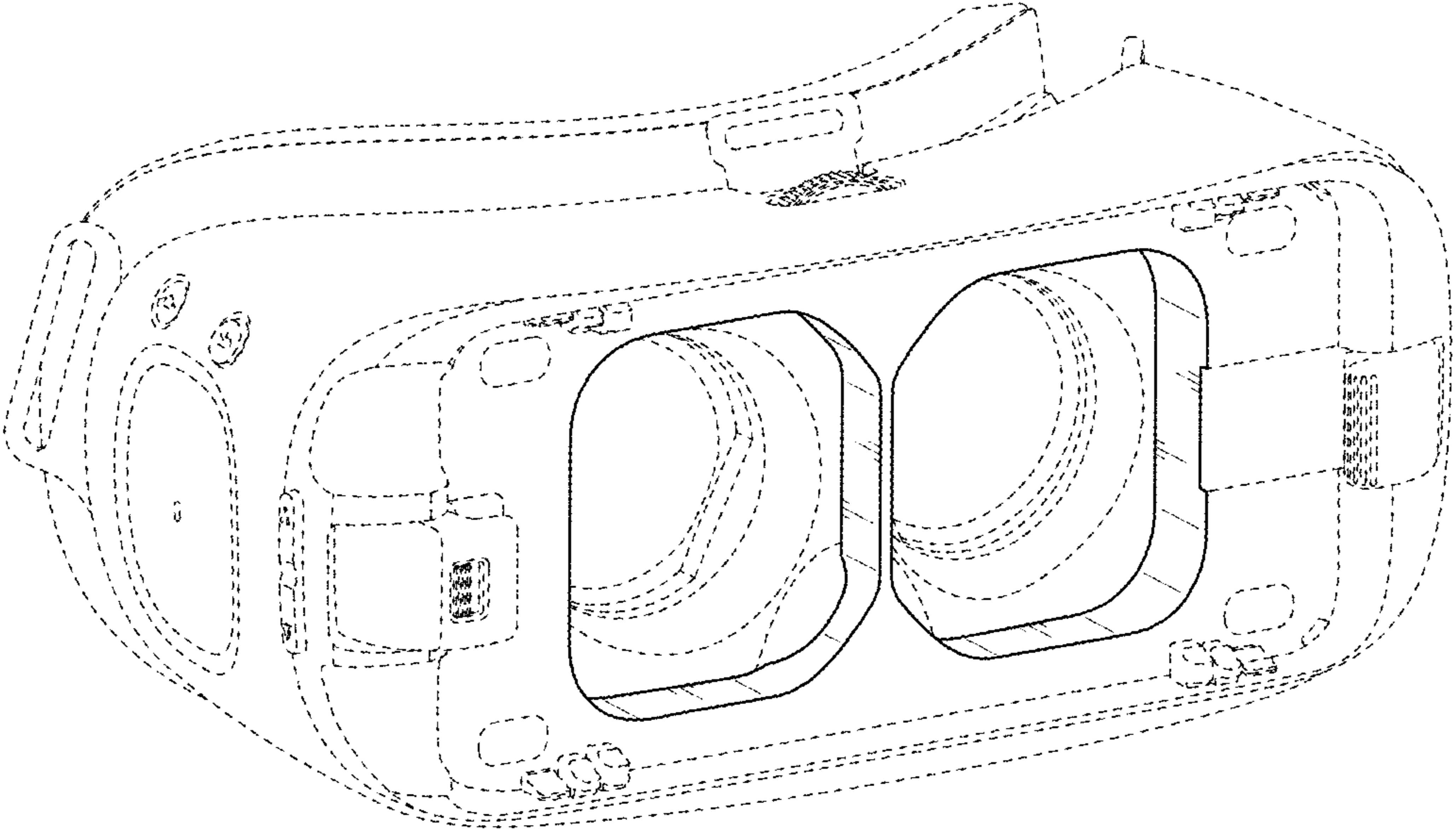


FIG. 2

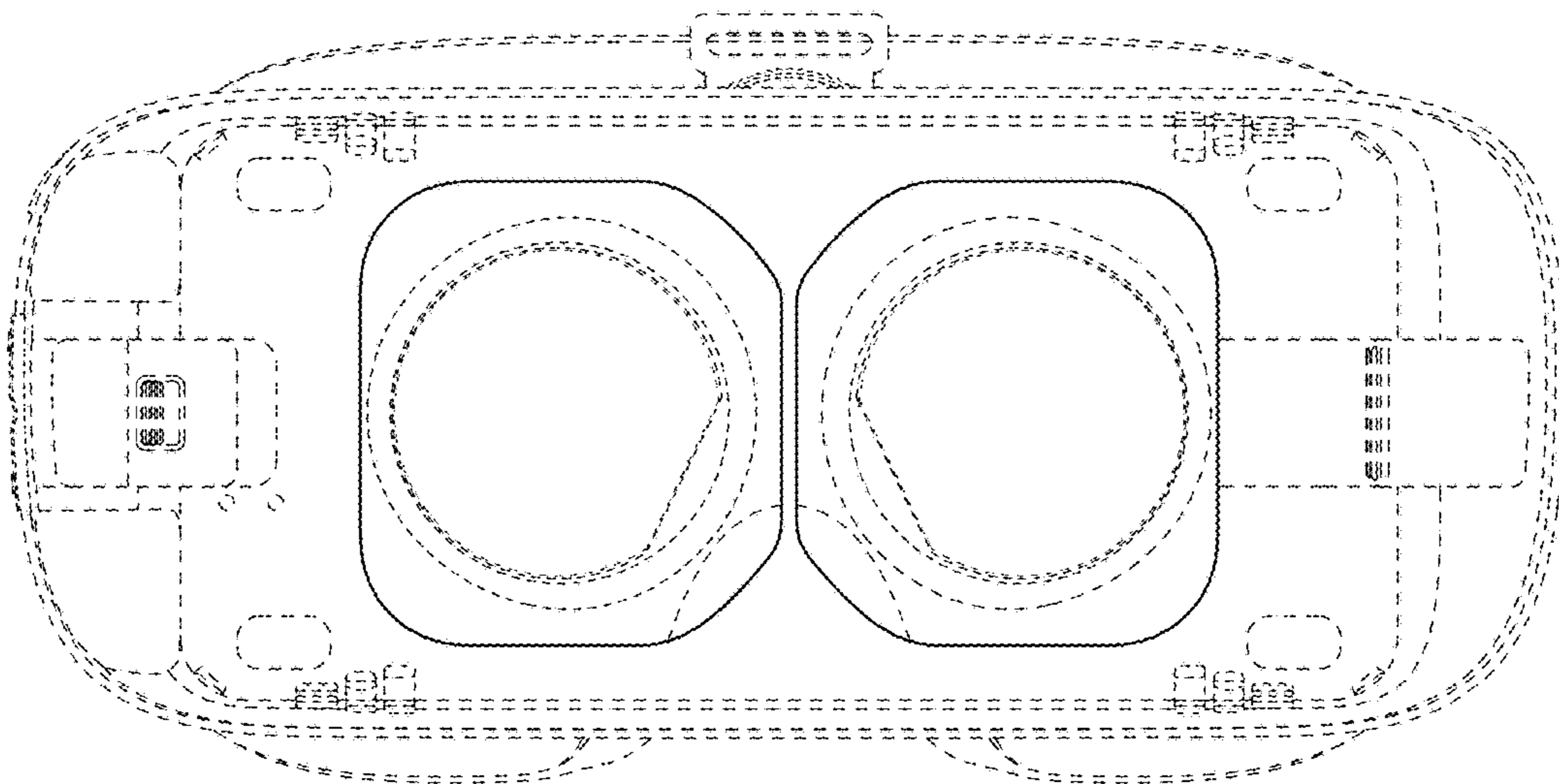


FIG. 3

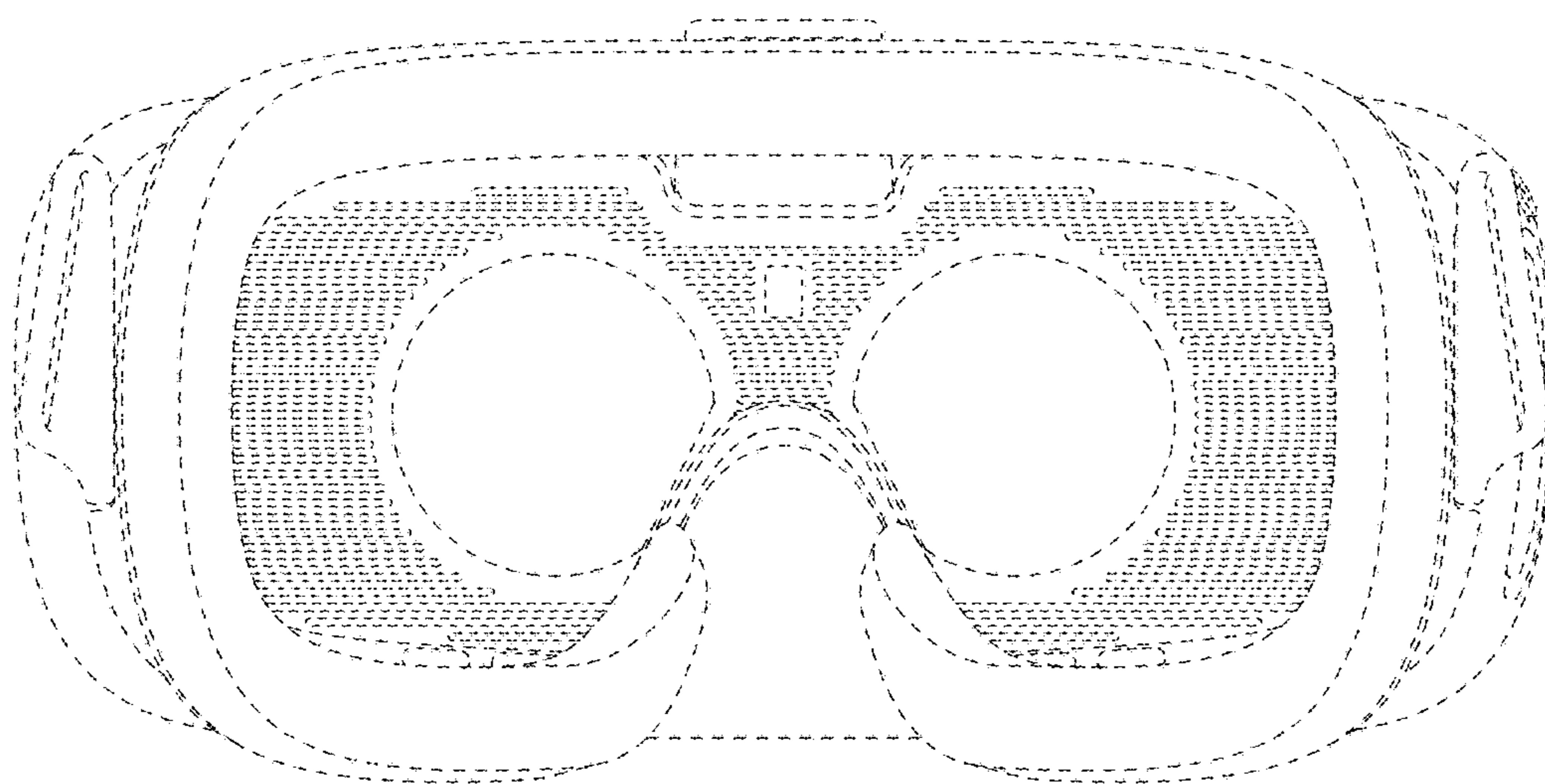


FIG. 4

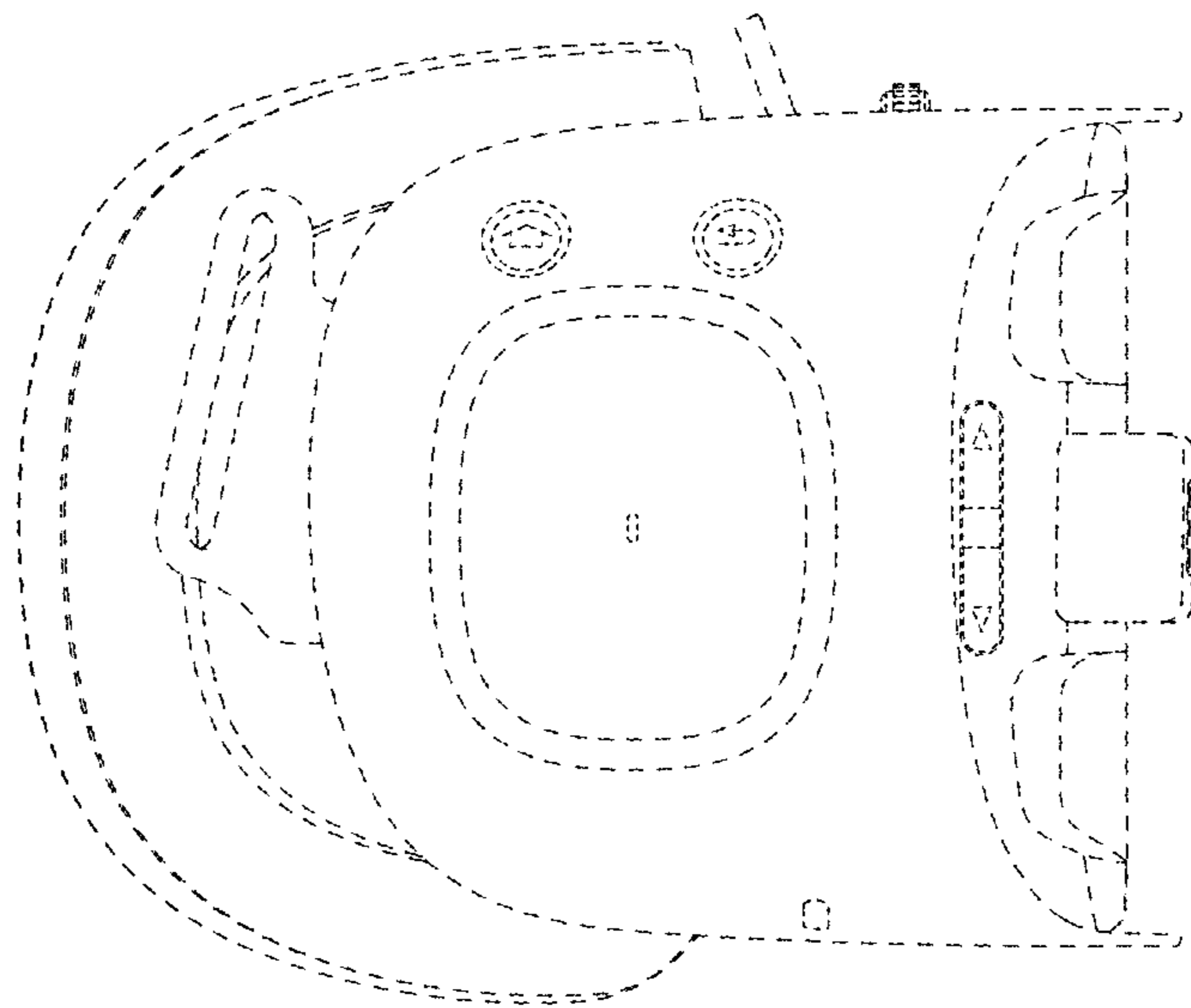


FIG. 5

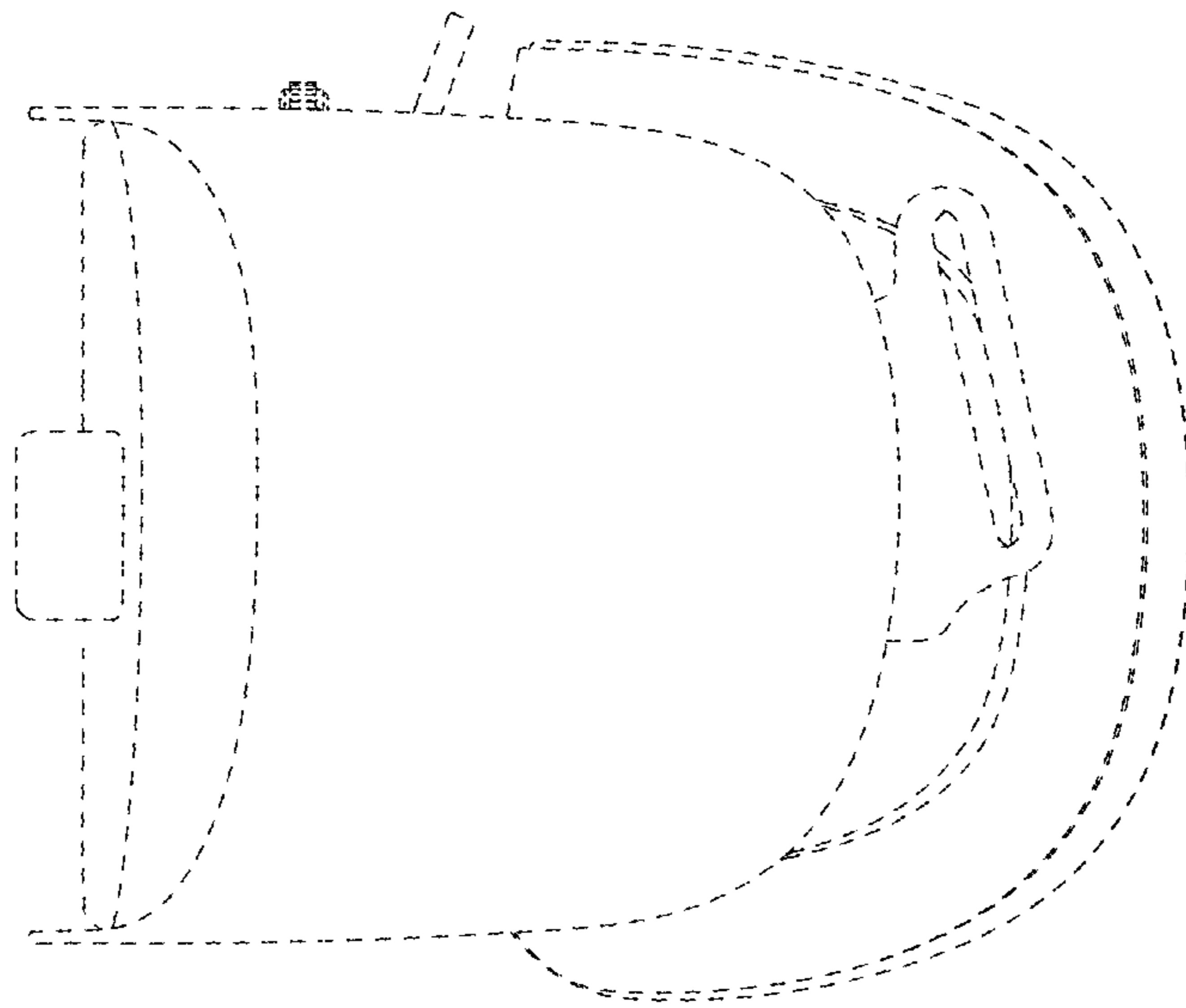


FIG. 6

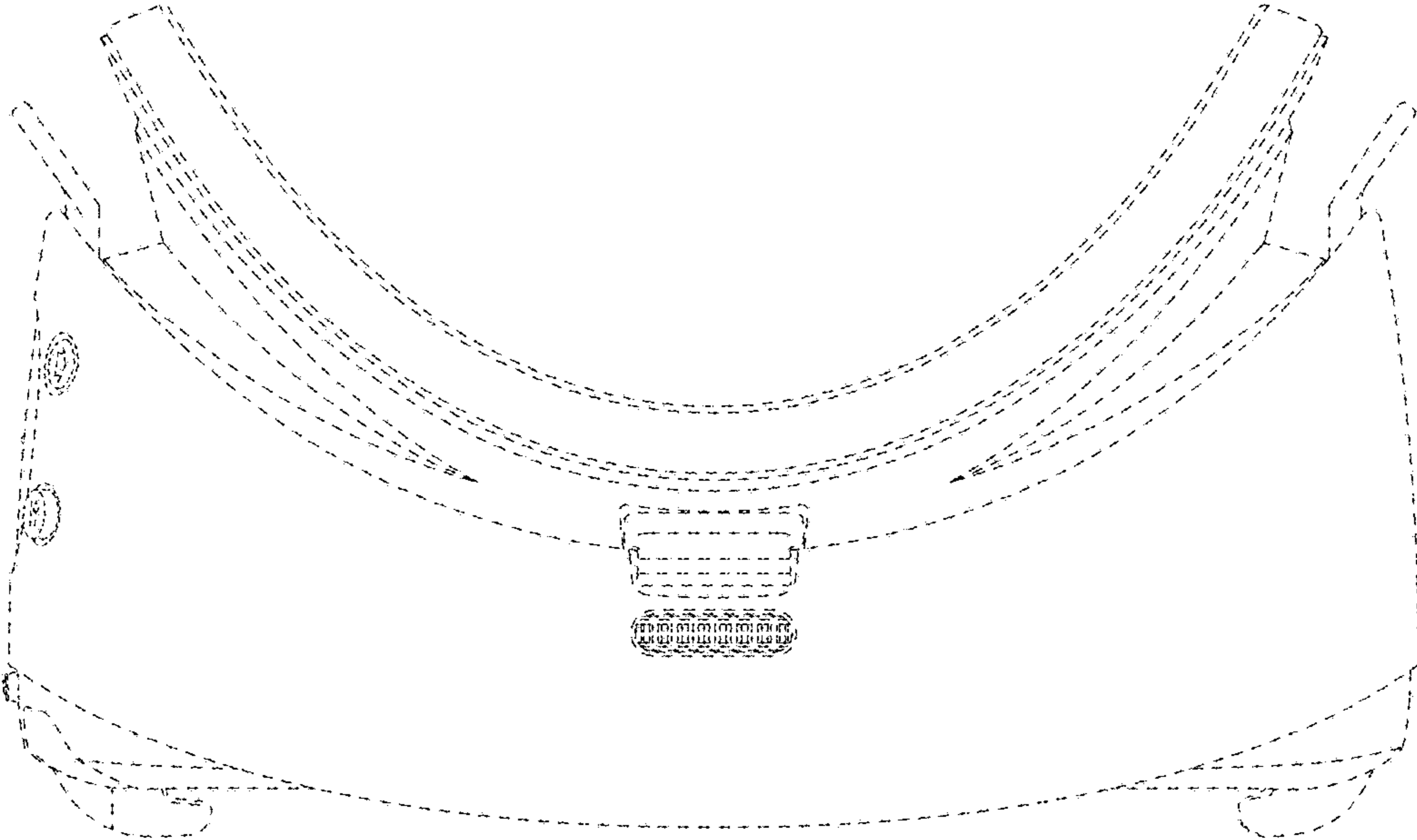




FIG. 7

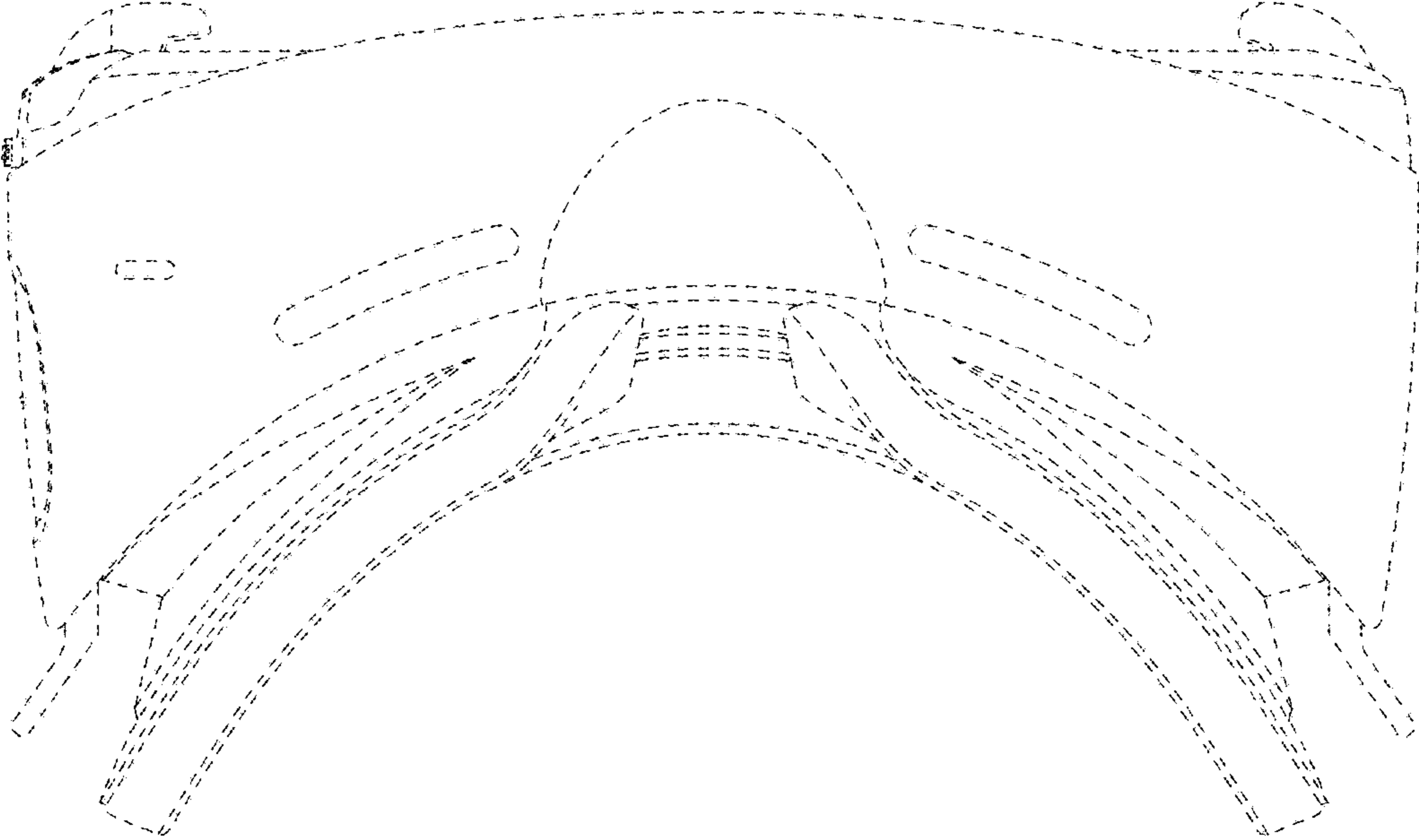


FIG. 8

