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(12)

United States Design Patent

Wang et al.

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(54) HEAD-MOUNTED DISPLAY DEVICE

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(52) U.S. Cl.
USPC D14/372

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USPC D14/372, 496, 432, 371, 125, 126, 129,
D14/299; D16/300–342; 351/158, 153,
351/144; 345/7–9, 905; 455/344;
348/115, 53, 121, 739
CPC G02B 27/017; G02B 27/0158; G02B
27/0161; G02B 27/0181; G02B 27/0185;
G02B 27/0189
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D780,753 S * 3/2017 Park D14/372

D829,208 S * 9/2018 Dallmeyer D14/372

D838,719 S * 1/2019 Wei D14/372

D889,464 S * 7/2020 Wang D14/372

D890,173 S * 7/2020 Wei D14/372

D928,151 S * 8/2021 Hu D14/372

D939,017 S * 12/2021 Liang D16/339

D953,328 S * 5/2022 Forsland D14/372

D957,390 S * 7/2022 Fang D14/372

D957,391 S * 7/2022 Roig D14/372

D957,392 S * 7/2022 Roig D14/372

D968,402 S * 11/2022 Roig D14/372

D972,560 S * 12/2022 Roig D14/372

2019/0339736 A1 * 11/2019 Chang A42B 3/145

FOREIGN PATENT DOCUMENTS

JP HA2800843900 9/2016

JP 1617580 S 11/2018

JP 1646631 S 11/2019

JP RA0201368200 10/2020

* cited by examiner

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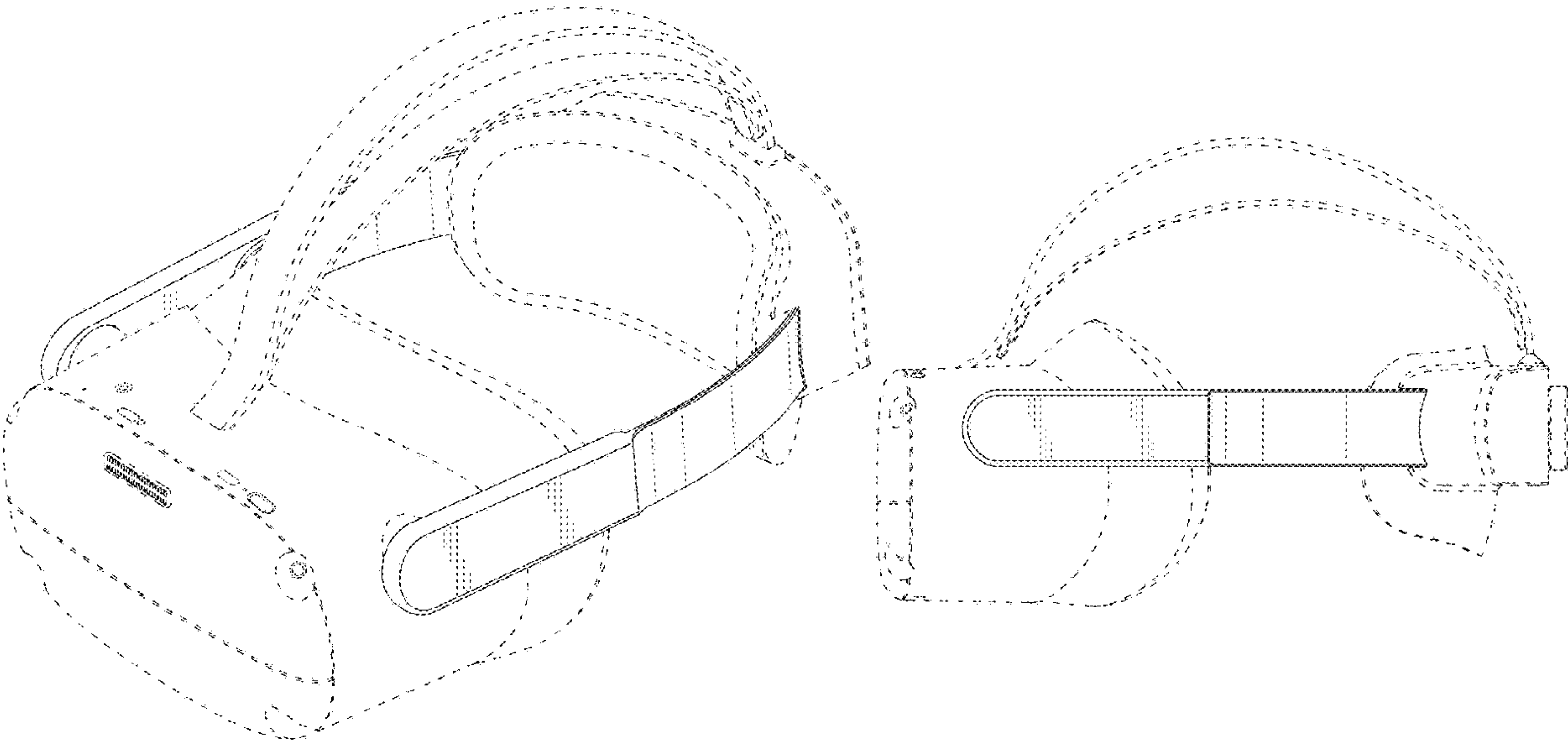
(57) CLAIM

We claim the ornamental design for a head-mounted display device, as shown and described.

DESCRIPTION

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

1 Claim, 4 Drawing Sheets



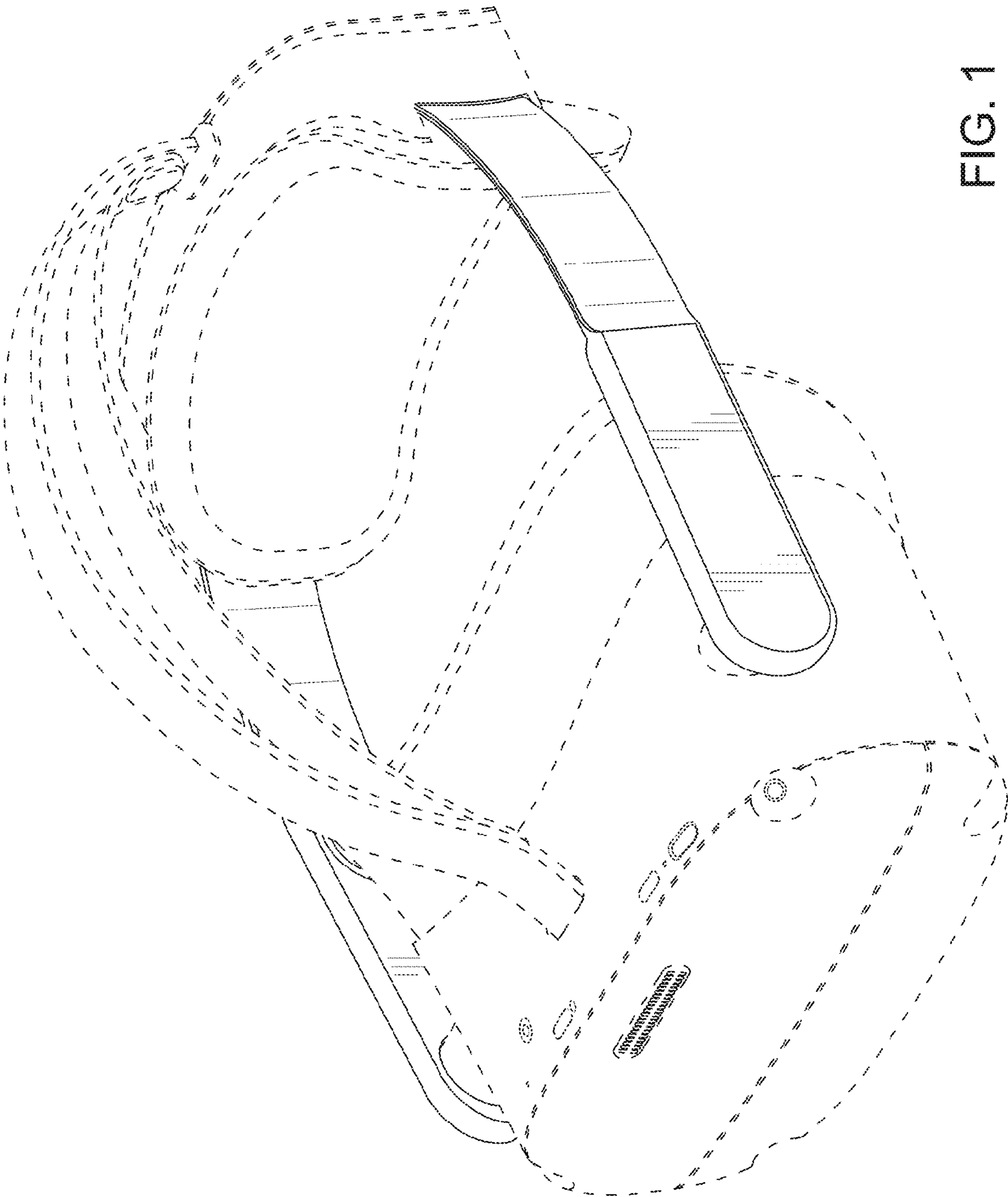


FIG. 1

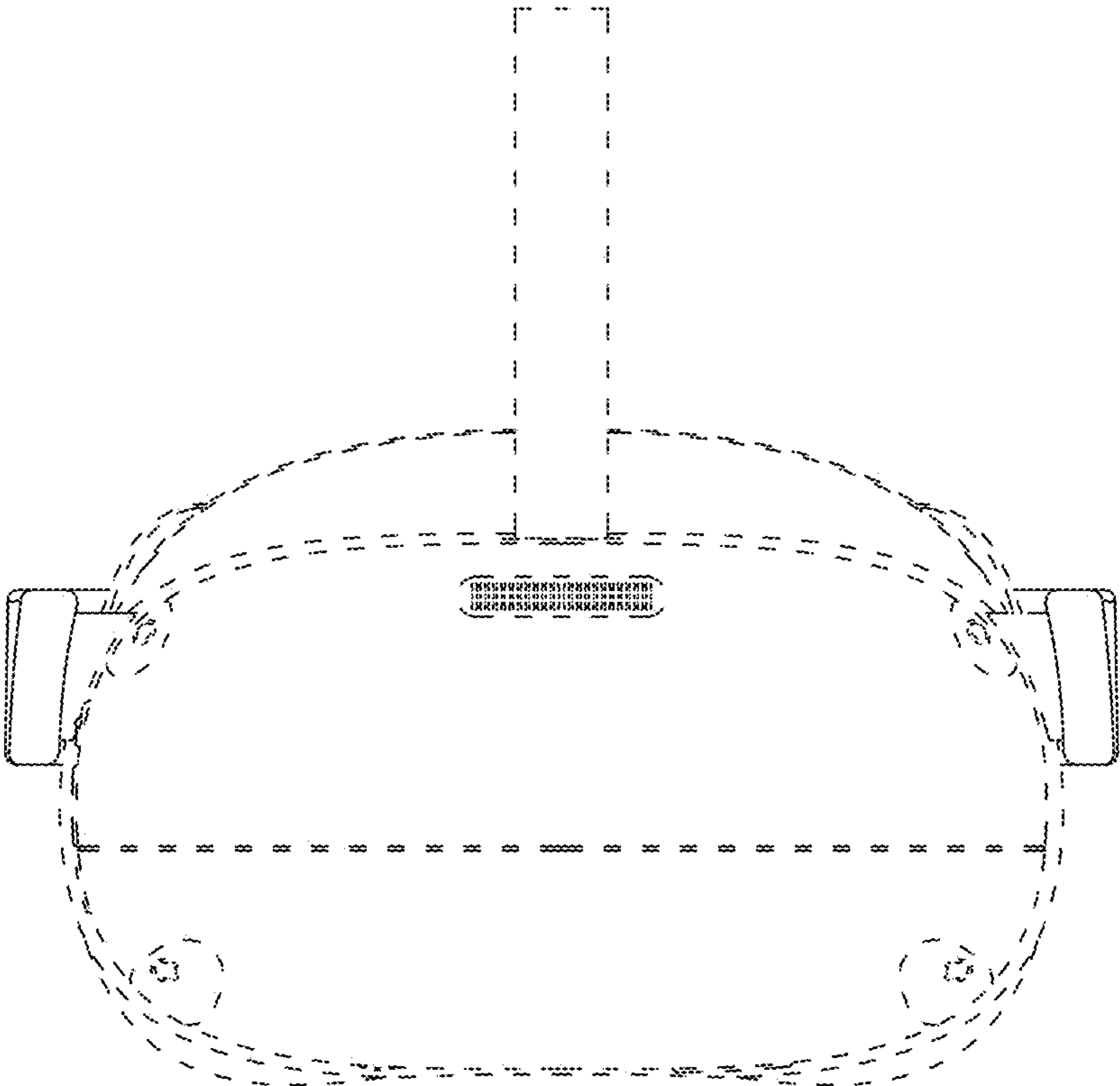


FIG. 2

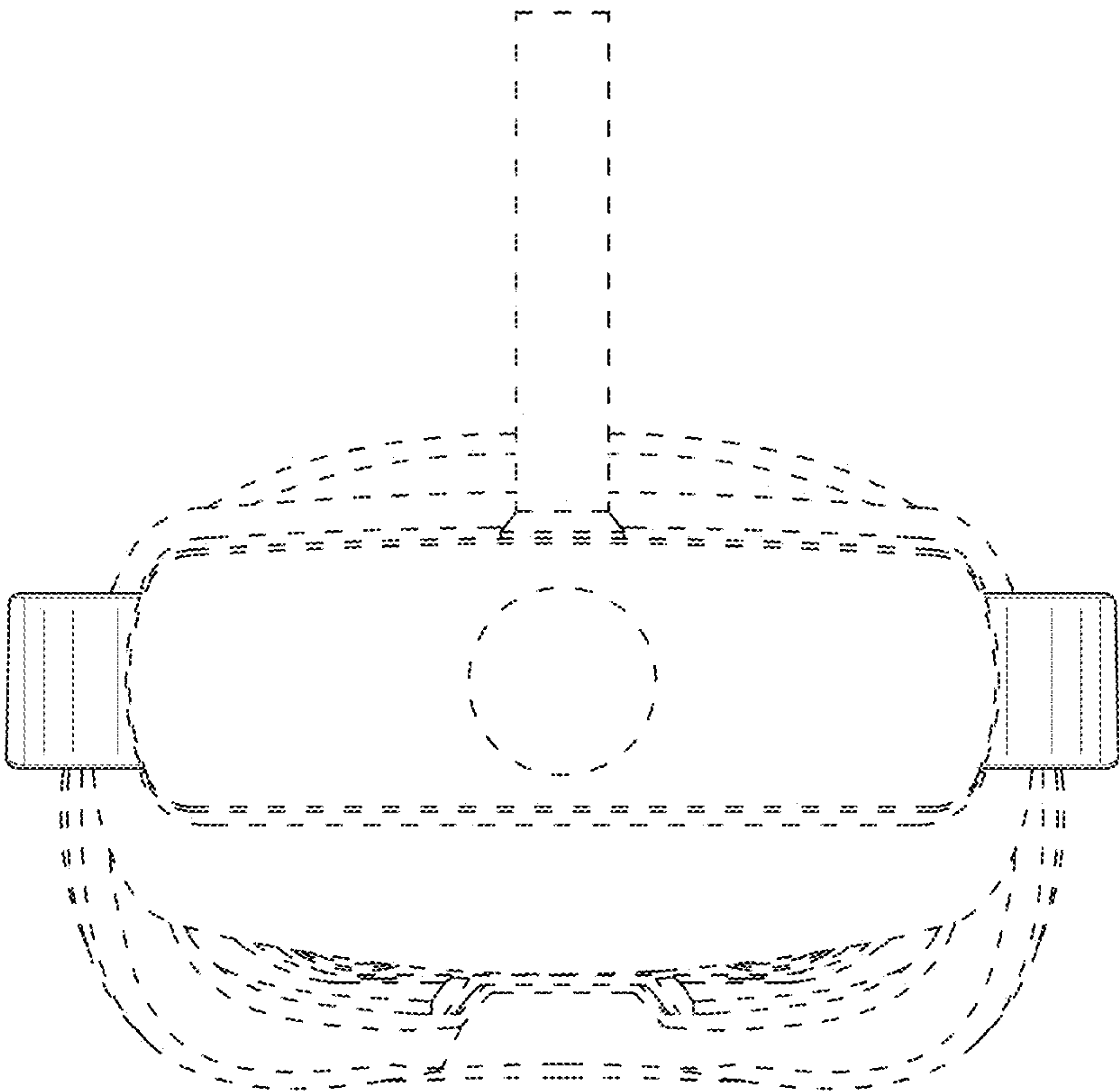


FIG. 3

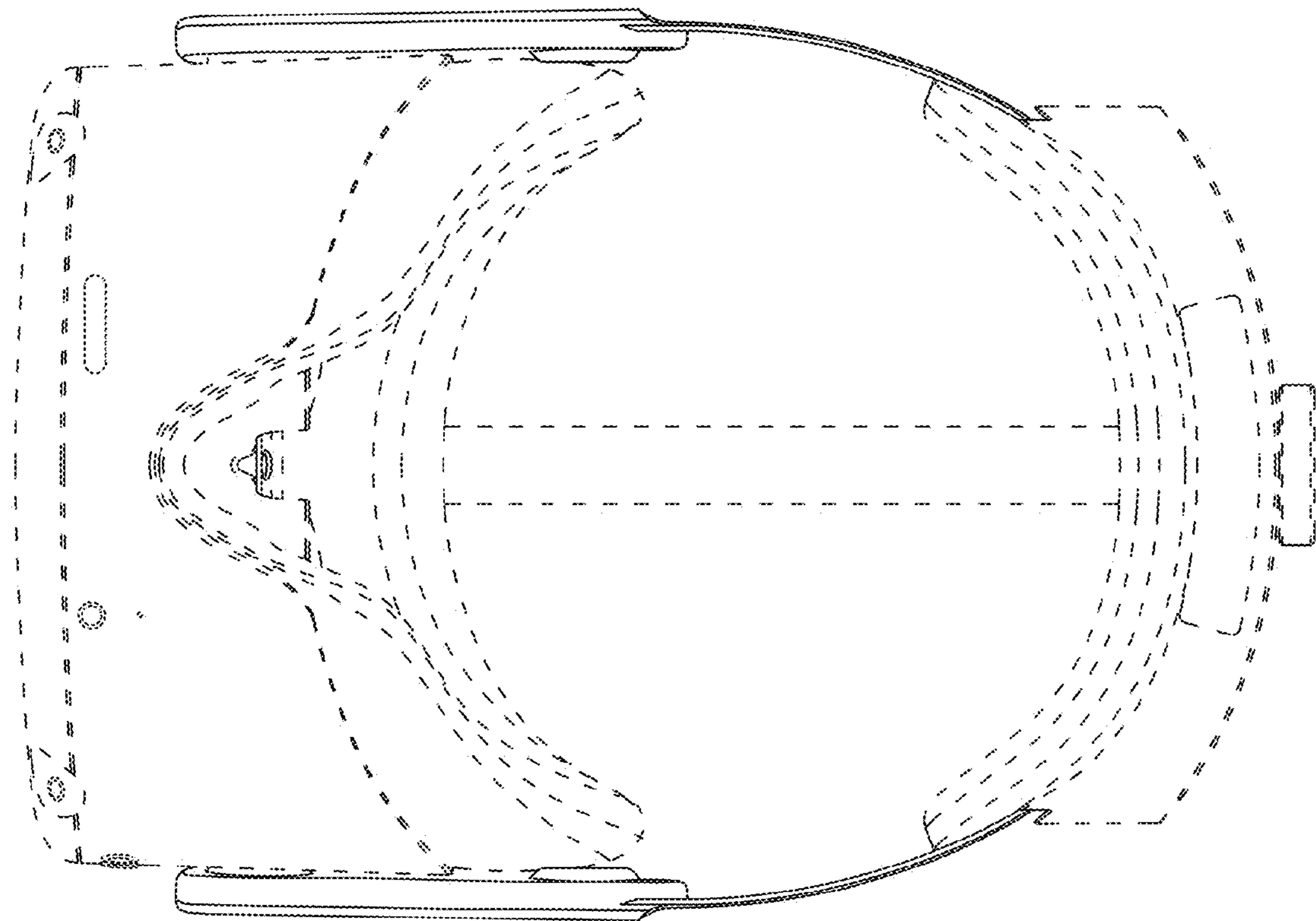


FIG. 5

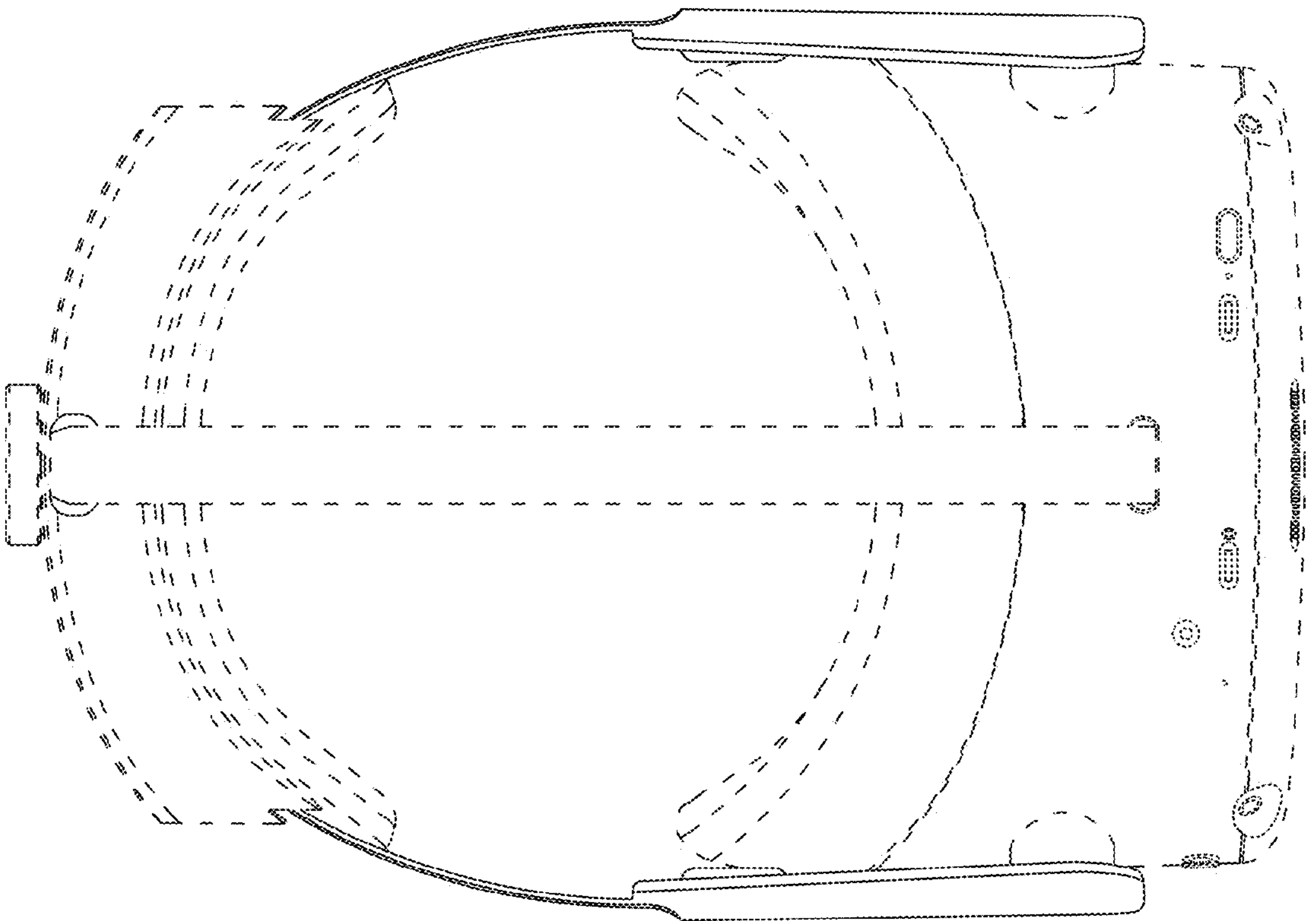


FIG. 4

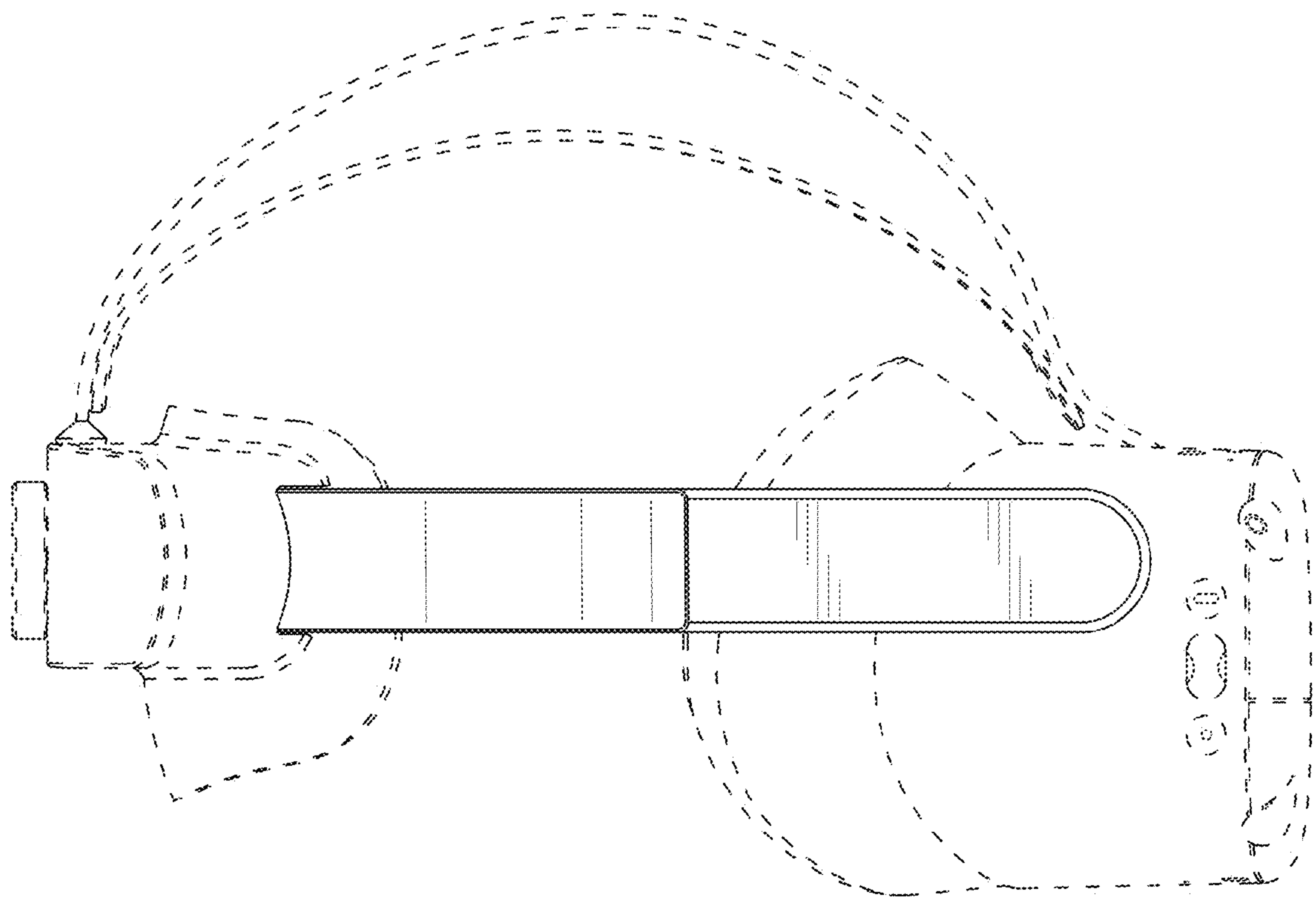


FIG. 6

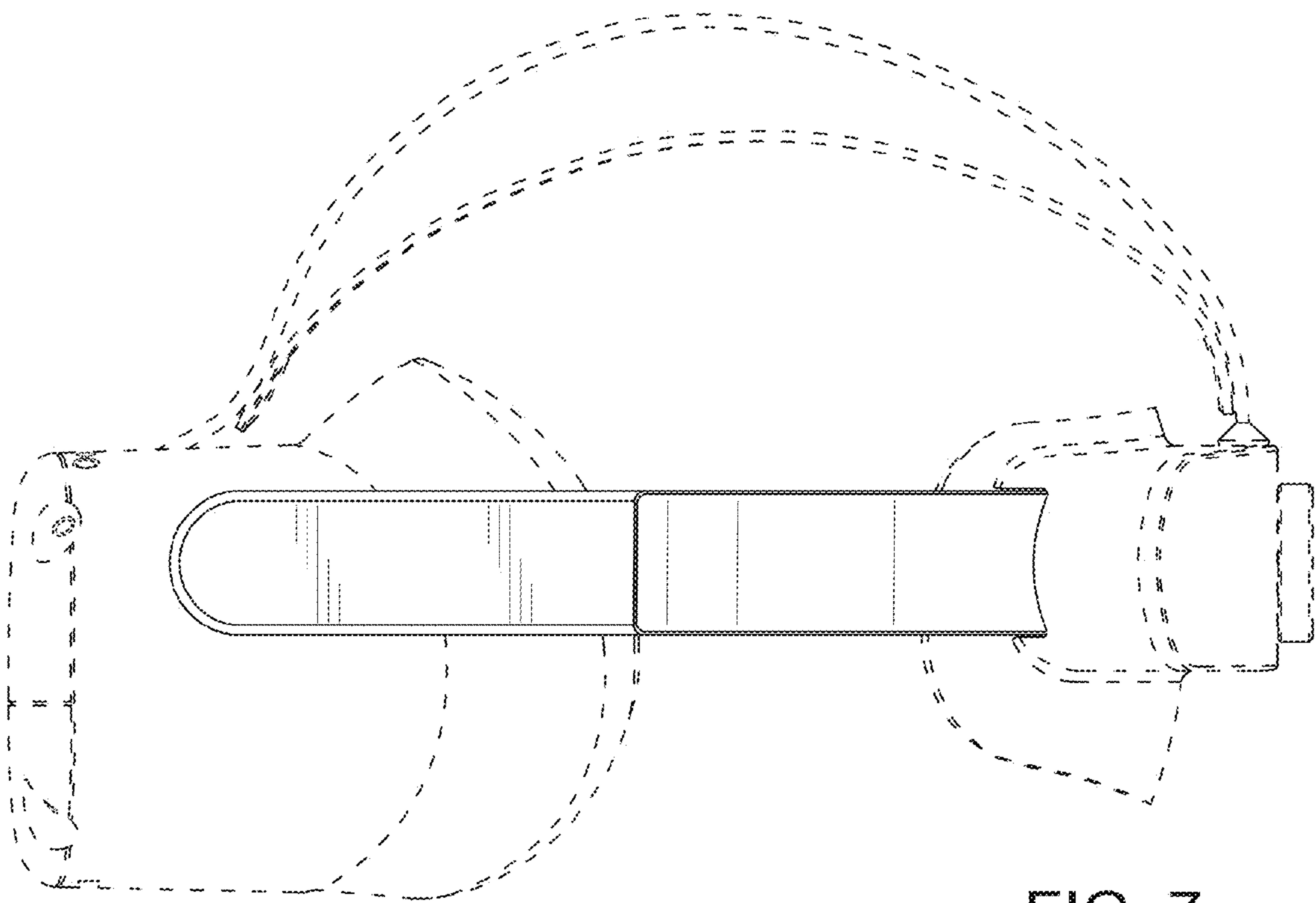


FIG. 7