

US0D1007690S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,007,690 S**
Mirkovic et al. (45) **Date of Patent:** **** Dec. 12, 2023**

(54) **ULTRASONIC DEVICE FOR TEETH WHITENING**

(71) Applicant: **HiSmile LLC**, Wilmington, DE (US)

(72) Inventors: **Nikola Mirkovic**, Burleigh Waters (AU); **Alex Tomic**, Burleigh Waters (AU)

(73) Assignee: **HiSmile LLC**, Wilmington, DE (US)

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

(21) Appl. No.: **35/002,067**

(22) Filed: **Jun. 30, 2021**

(80) **Hague Agreement Data**

Int. Filing Date: **Jun. 30, 2021**

Int. Reg. No.: **DM/217810**

Int. Reg. Date: **Jun. 30, 2021**

Int. Reg. Pub. Date: **Dec. 31, 2021**

(30) **Foreign Application Priority Data**

Jan. 28, 2021 (CN) 202130062687.2

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/181**

(58) **Field of Classification Search**
USPC D24/176, 178, 180–182, 108, 189;
D29/108

CPC A61C 19/063; A61C 19/066; A61N 5/06;
A61N 5/0603; A61N 5/0613; A61N
2005/0606; A61N 2005/0644; A61N
2005/0645; A61Q 11/00; A61Q 11/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

8,753,612 B2 * 6/2014 De Vreese A61C 19/063
424/49

8,956,162 B2 * 2/2015 De Vreese A61C 19/063
424/49

9,901,744 B2 * 2/2018 Demarest A61N 5/0613
D849,942 S * 5/2019 Demarest D24/181
D885,583 S * 5/2020 Haiola D24/181
D888,961 S * 6/2020 Levine D24/181
10,918,470 B1 * 2/2021 Levine A61C 19/066
D912,825 S * 3/2021 Demarest D24/181
D912,826 S * 3/2021 Bao D24/176
D932,023 S * 9/2021 Morreale D24/181

(Continued)

Primary Examiner — Wan Laymon

(74) Attorney, Agent, or Firm — Seed IP Law Group LLP

(57) **CLAIM**

The ornamental design for an ultrasonic device for teeth whitening, as shown and described.

DESCRIPTION

1. Ultrasonic device for teeth whitening

1.1 : Perspective

1.2 : Perspective

1.3 : Front

1.4 : Back

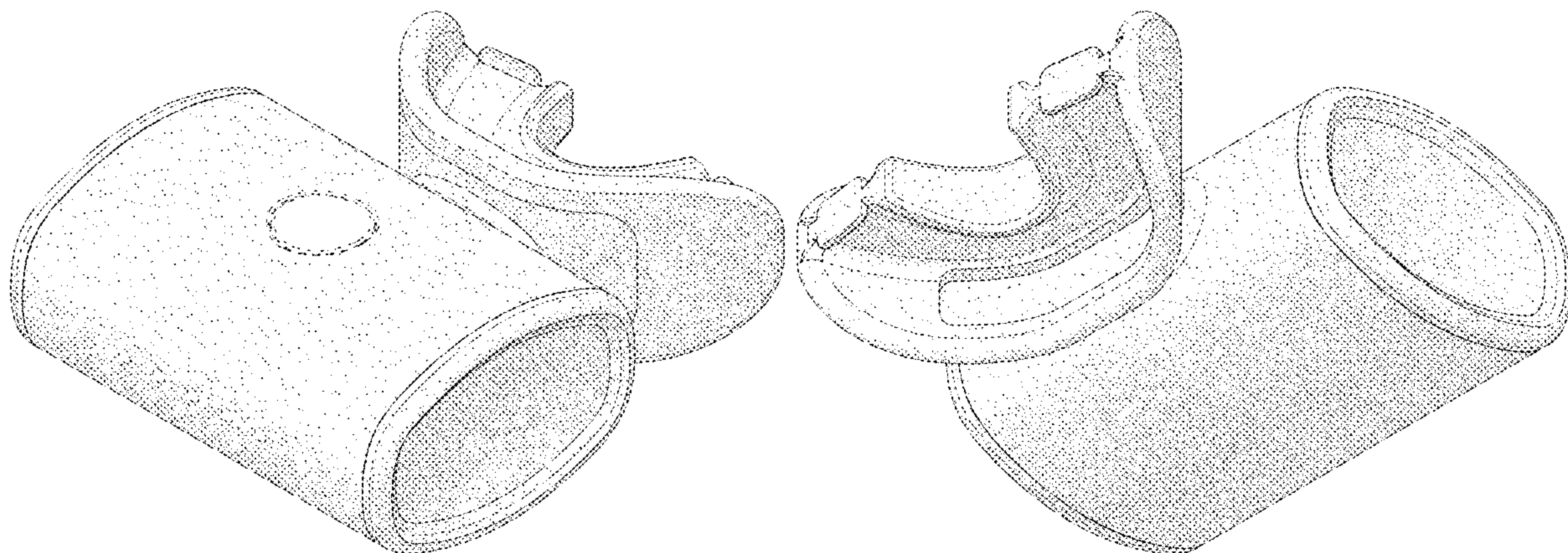
1.5 : Left

1.6 : Top

1.7 : Bottom

Reproduction 1.1 is a top isometric view of an embodiment of an ultrasonic device for teeth whitening; Reproduction 1.2 is a bottom isometric view thereof; Reproduction 1.3 is a front elevational view thereof; Reproduction 1.4 is a rear elevational view thereof; Reproduction 1.5 is a left side elevational view thereof, which is a mirror image of the right side elevational view; Reproduction 1.6 is a top plan view thereof; Reproduction 1.7 is a bottom plan view thereof; stippling, and tangency lines shown in the drawings represent the three-dimensional contours of the designs, and are not intended to indicate surface decoration; the broken lines show portions of the ultrasonic device for teeth whitening that form no part of the claimed designs.

1 Claim, 7 Drawing Sheets



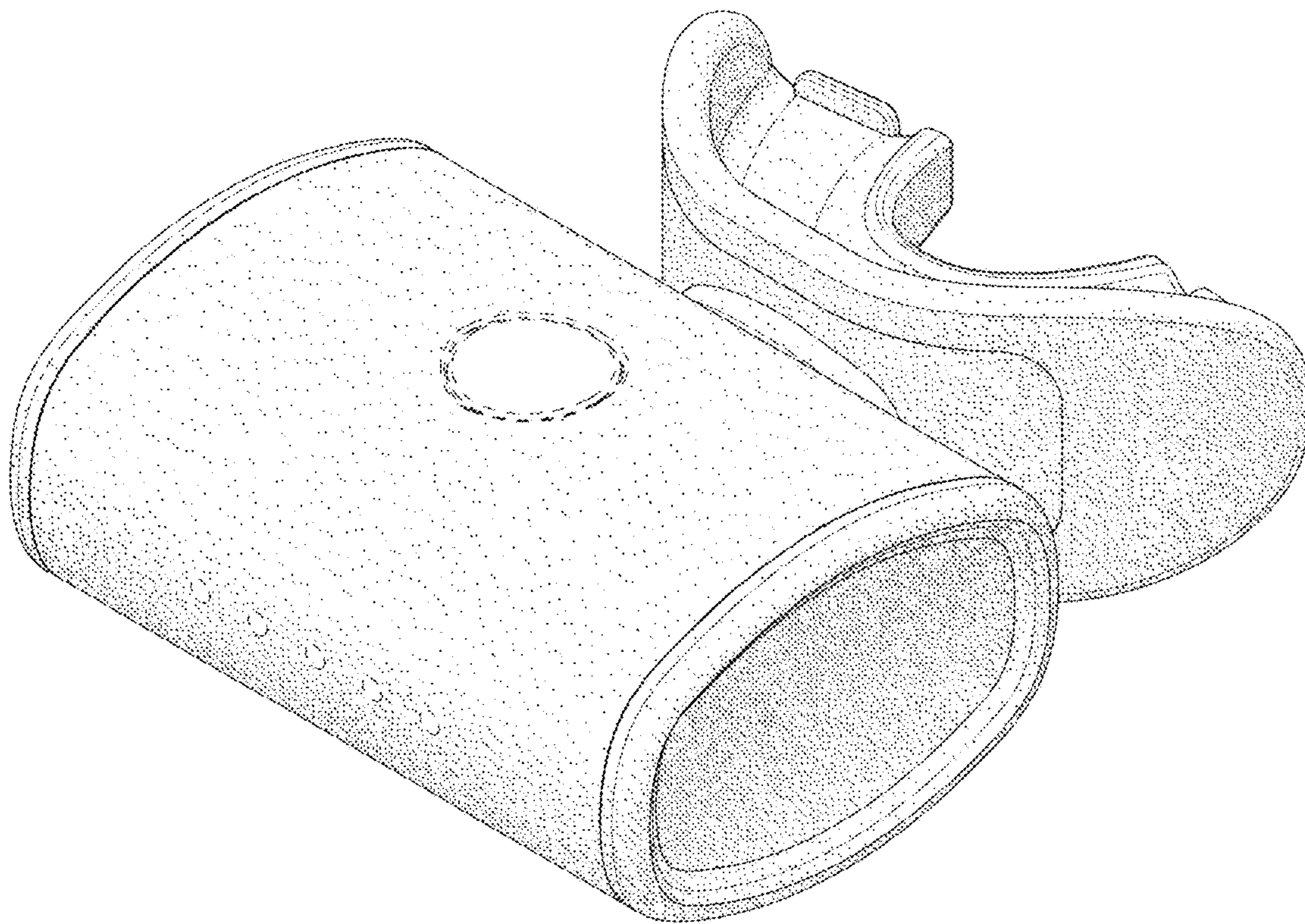
(56) **References Cited**

U.S. PATENT DOCUMENTS

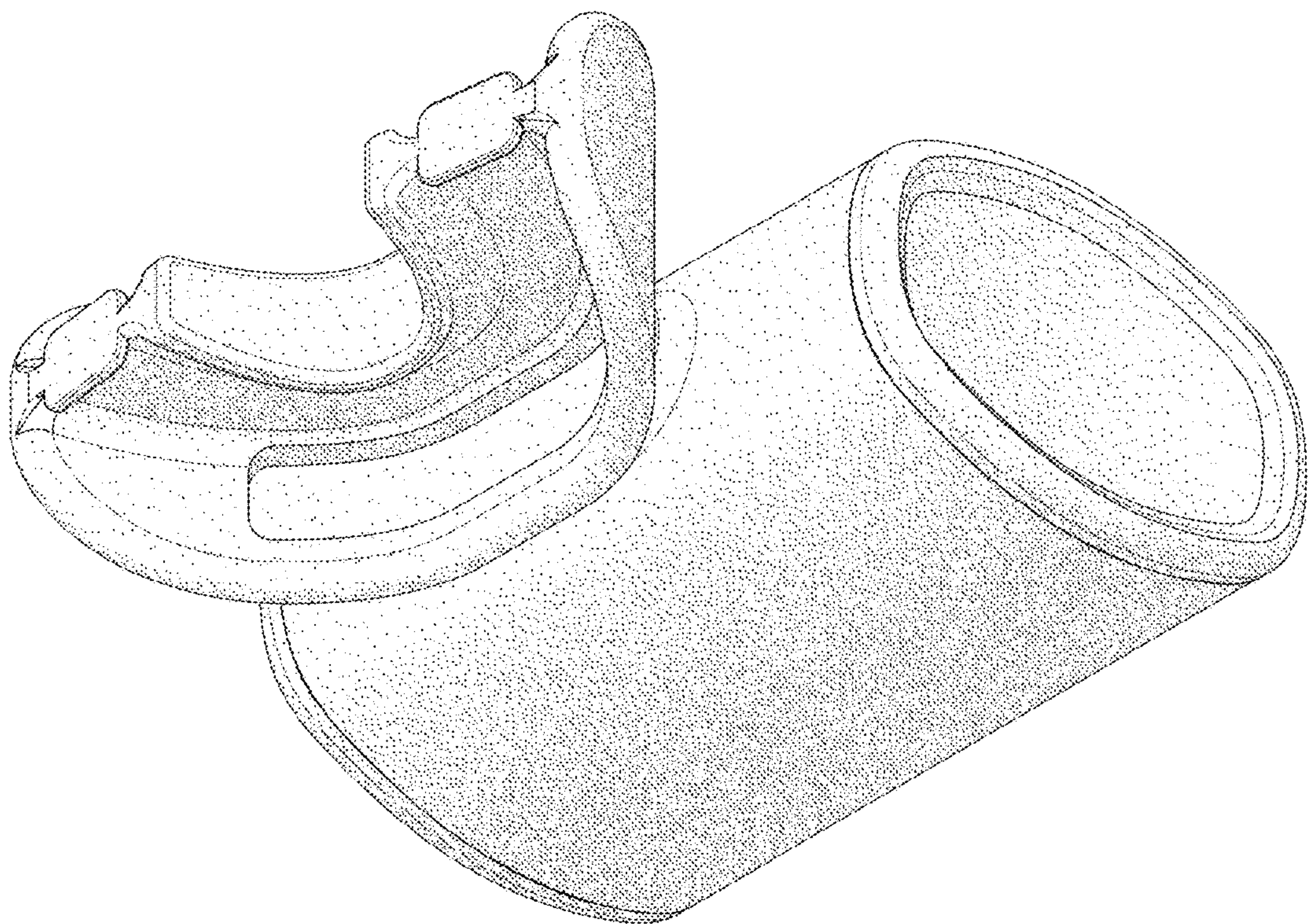
D935,029	S *	11/2021	Demarest	D24/181
2006/0246400	A1 *	11/2006	Fischer	A61C 19/063
				433/215
2007/0134622	A1 *	6/2007	Rajaiah	A61C 19/063
				433/168.1
2009/0092643	A1 *	4/2009	De Vreese	A61C 19/063
				424/401
2012/0301852	A1 *	11/2012	Xu	A61C 19/063
				424/49
2012/0322024	A1 *	12/2012	De Vreese	A61C 19/063
				433/163
2015/0132709	A1 *	5/2015	Park	A61N 5/0603
				433/29
2019/0388208	A1 *	12/2019	Whitney	A61C 19/066
2020/0114166	A1 *	4/2020	Bloch	A61C 19/066
2020/0230432	A1 *	7/2020	Jablow	A61C 19/066
2021/0085993	A1 *	3/2021	Morreale	A61N 5/0603
2022/0338968	A1 *	10/2022	Strotman	A61C 19/066

* cited by examiner

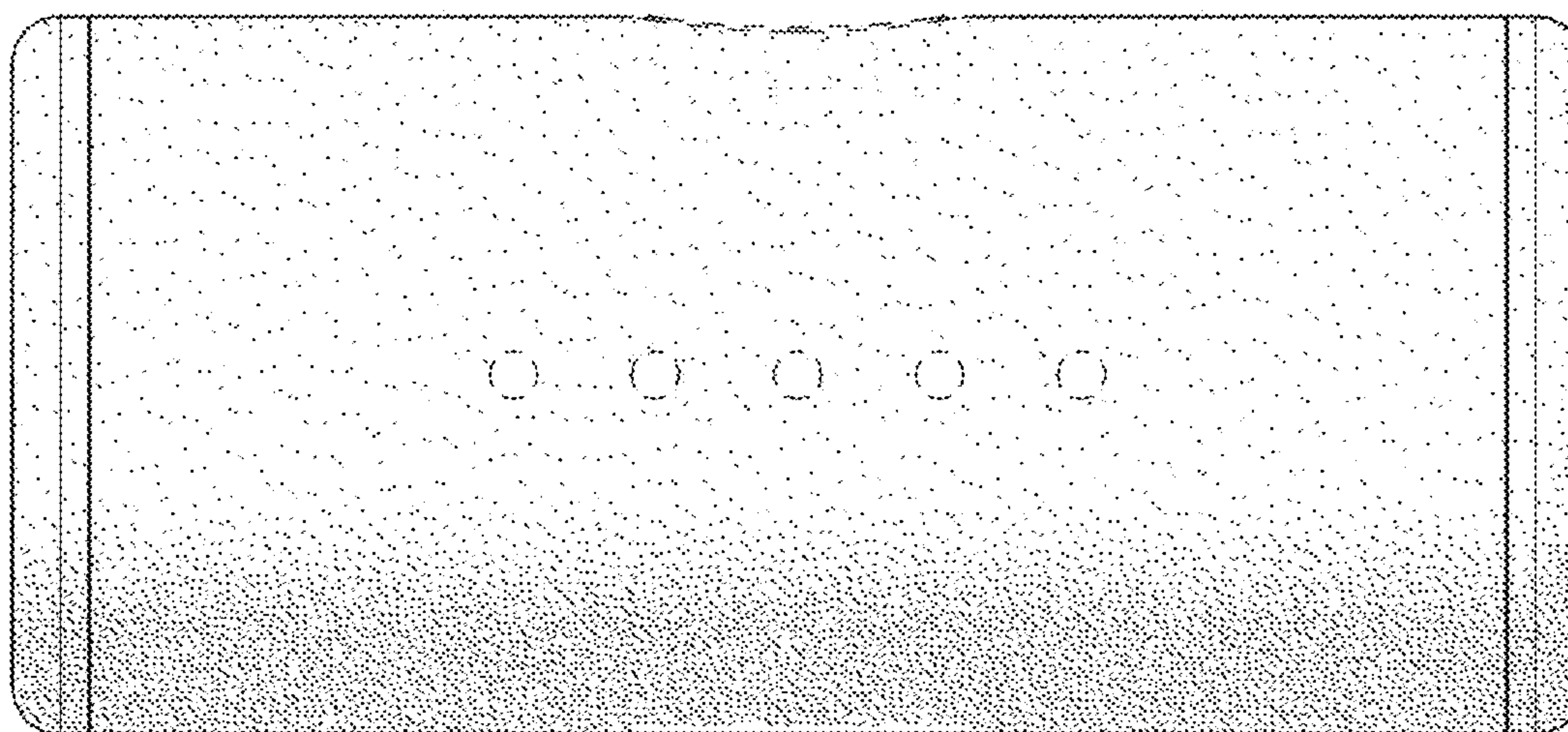
1.1



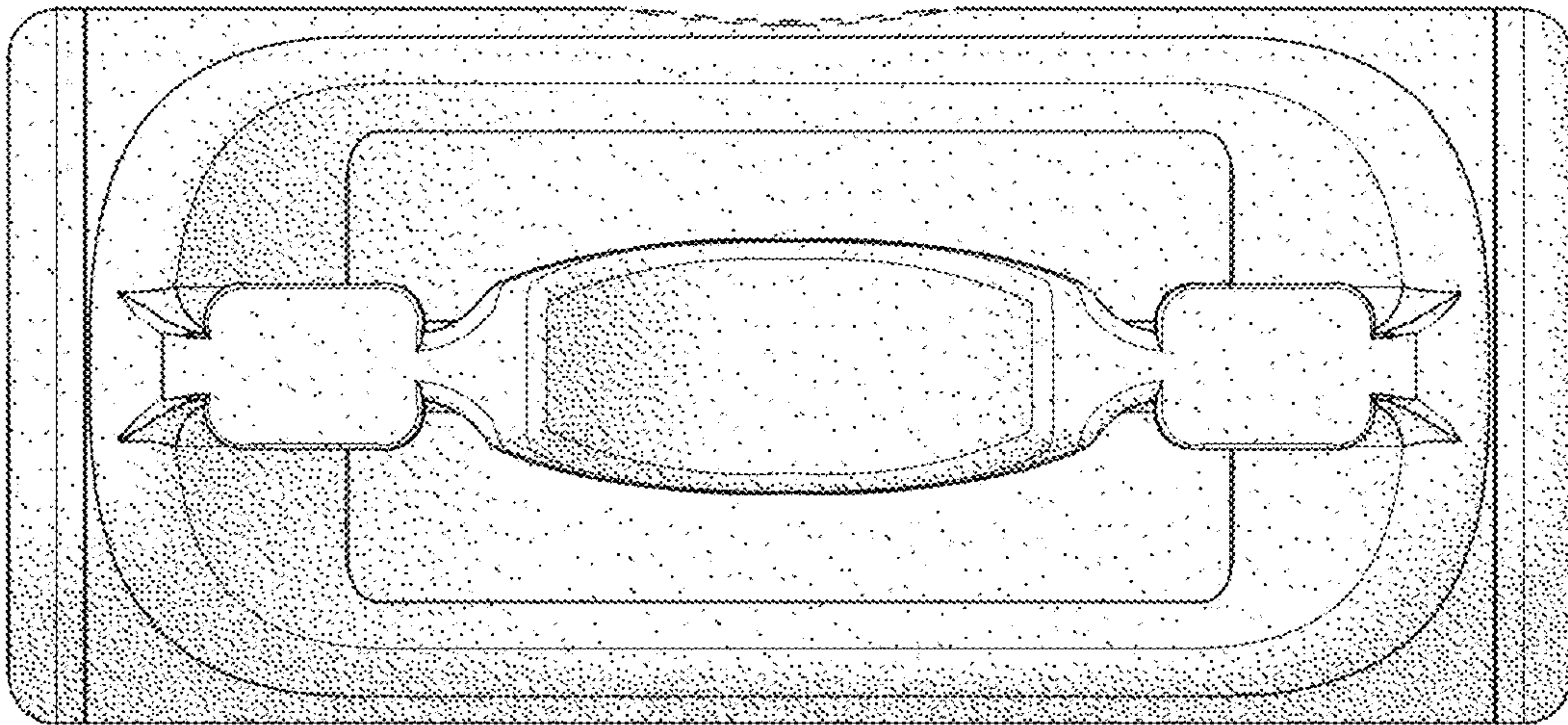
1.2



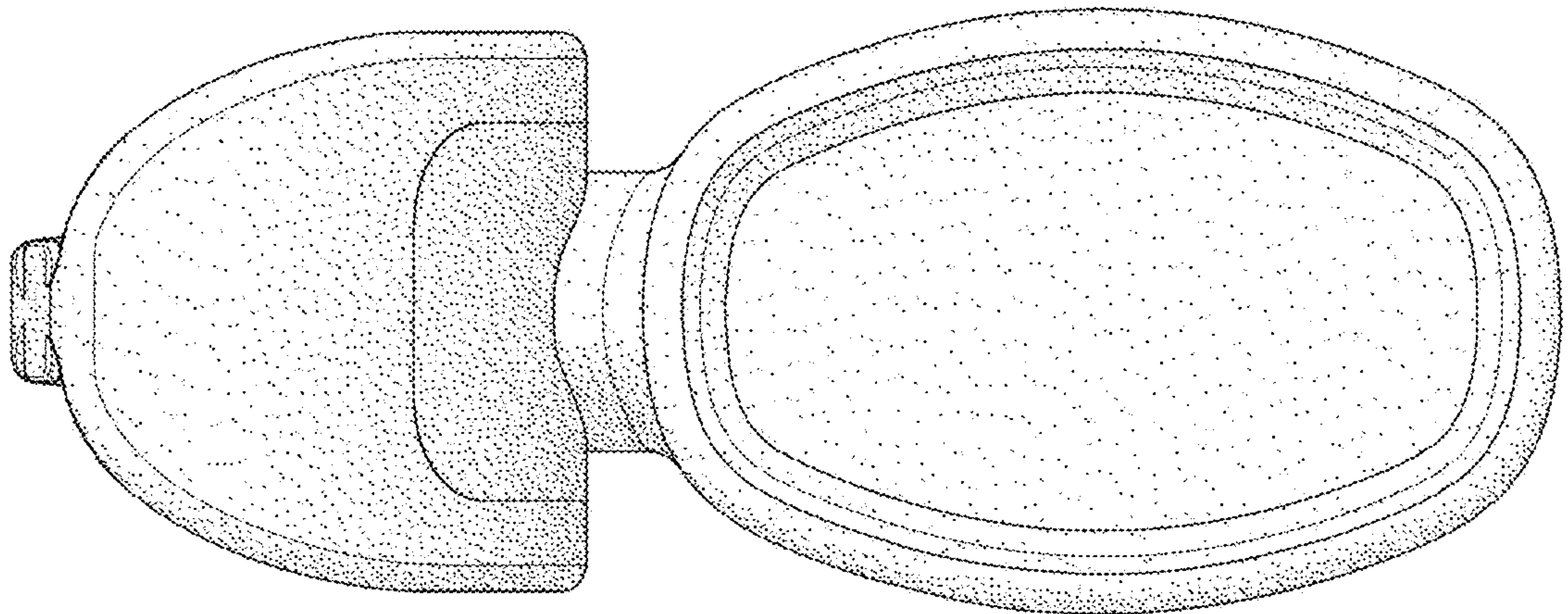
1.3



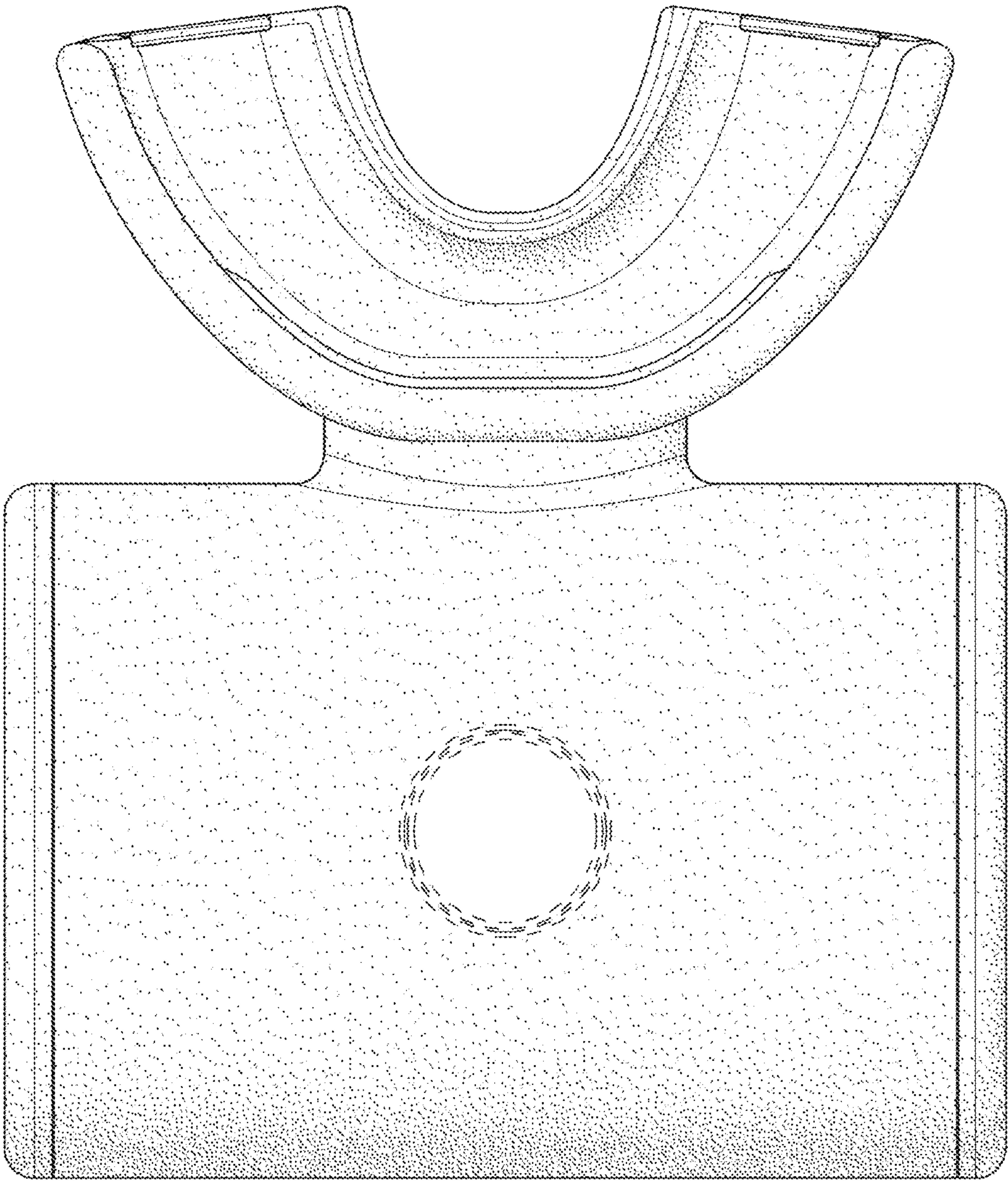
1.4



1.5



1.6



1.7

