US00D878207S

(12) United States Design Patent

Natersky et al.

(10) Patent No.: US D878,207 S
(45) Date of Patent: ** Mar. 17, 2020

(54) **SPRAYING DEVICE FOR BOTTLES**

(71) Applicant: **Obrist Closures Switzerland GmbH**, Reinach (DE)

(72) Inventors: **Klaus Natersky**, Grenderich (DE); **Christian Wilhelms**, Blankenrath (DE); **Christoph Hoffmann**, Zell (DE)

(73) Assignee: **Obrist Closures Switzerland GmbH**, Reinach (CH)

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

(21) Appl. No.: **29/634,747**

(22) Filed: **Jan. 24, 2018**

(30) **Foreign Application Priority Data**

Jul. 24, 2017 (EM) 004117265

(51) **LOC (12) Cl.** **09-07**

(52) **U.S. Cl.**
USPC **D9/448**

(58) **Field of Classification Search**
USPC D9/414, 416, 425, 434, 435, 436, 438, D9/439, 440, 442, 443, 446–450, D9/452–457, 499, 503–505, 682, 685, D9/686; D7/387, 391, 392, 392.1, 393, D7/394, 396.1–396.4, 401.1, 503–505, D7/509–511, 538, 900; D3/201, 202, D3/203.2, 318; D28/91, 91.1
CPC .. A61J 1/00; A61J 1/1412; B65D 1/00; B65D 1/02; B65D 1/10; B65D 1/46; B65D 2585/56; B65D 2585/545; B65D 41/00; B65D 41/38; B65D 41/56; B65D 41/62; B65D 47/00; B65D 47/06; B65D 47/08; B65D 2543/00046; B65D 2543/00092; B65D 2543/00296; B65D 5/46; B65D 2251/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D236,880	S *	9/1975	Sway	D9/450
4,191,313	A	3/1980	Blake et al.	
4,204,614	A	5/1980	Reeve	
5,228,602	A	7/1993	Maas et al.	
5,730,335	A	3/1998	Maas et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

EP	0061233	A1	9/1982
EP	0798050	A1	10/1997

(Continued)

OTHER PUBLICATIONS

MX OA dtd Nov. 4, 2015.

(Continued)

Primary Examiner — Michael A. Pratt
Assistant Examiner — Wendy L Arminio
(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

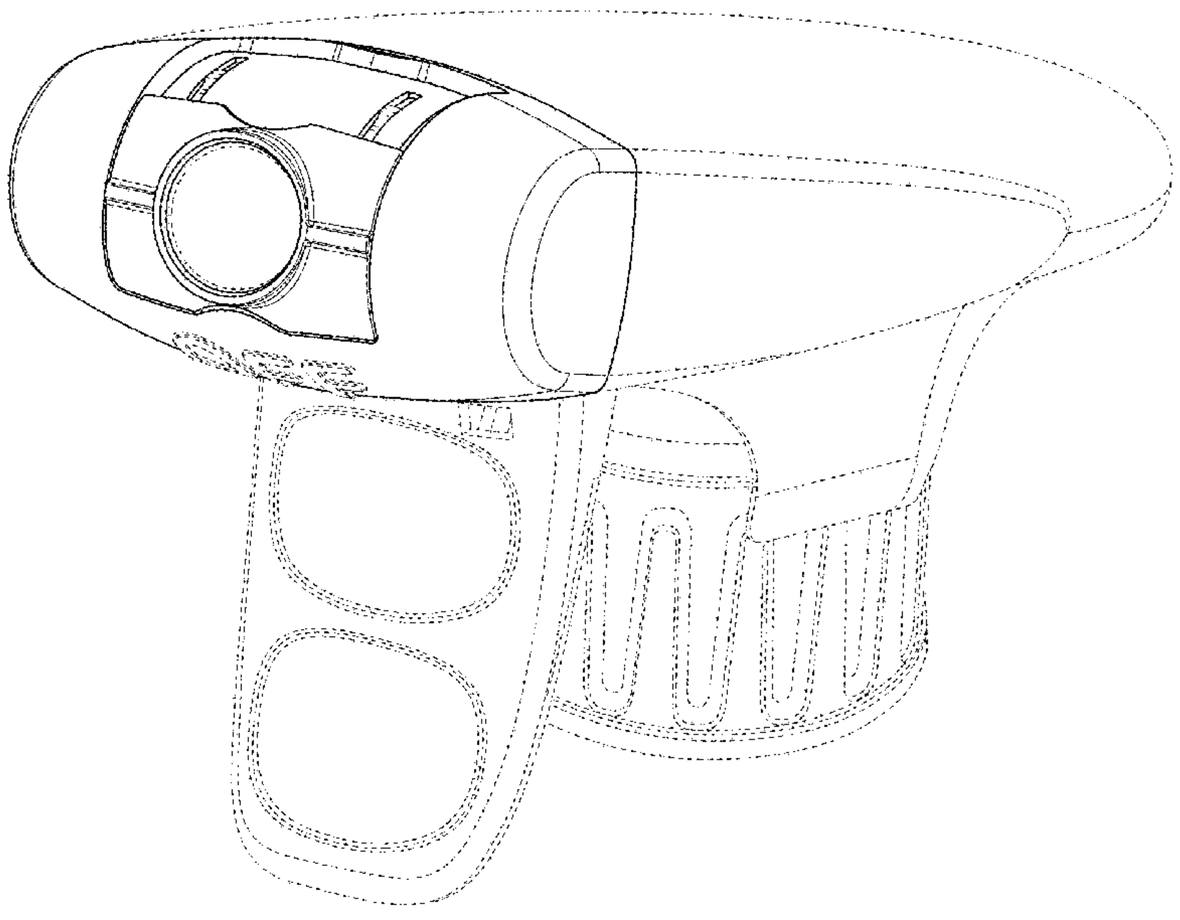
(57) **CLAIM**

The ornamental design for a spraying device for bottles, as shown and described.

DESCRIPTION

FIG. **1** is a top, front, right perspective view of a spraying device for bottles showing our new design; and,
FIG. **2** is a top, front, right perspective view of a spraying device for bottles showing our new design in an alternate configuration.
The broken lines in the drawings depict environment and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

5,884,820	A	3/1999	Thanisch et al.	
6,036,057	A	3/2000	Poutiatine	
6,364,172	B1	4/2002	Maas et al.	
D480,634	S *	10/2003	Caroen	D9/414
D548,585	S *	8/2007	Okabe	D9/420
7,614,572	B2 *	11/2009	Yamaguchi	B05B 9/0866 239/320
D605,059	S *	12/2009	Cooper	D9/730
7,798,424	B2 *	9/2010	Lin	A61L 9/14 222/129
D660,150	S *	5/2012	Fournet	D9/443
D694,615	S *	12/2013	Mombelli	D9/414
D726,536	S *	4/2015	Gerhards	D9/448
D738,212	S *	9/2015	Gerhards	D9/448
D798,965	S *	10/2017	Weisman	D21/473
10,183,308	B2 *	1/2019	Choi	B05B 15/70
2002/0011501	A1	1/2002	Main	
2004/0251316	A1	12/2004	Stark	
2007/0102458	A1	5/2007	Valley	
2013/0341362	A1 *	12/2013	Hoffmann	B05B 1/12 222/383.1

FOREIGN PATENT DOCUMENTS

EP	1974826	A1	10/2008
JP	08252508	A	1/1996
JP	11104022	A	4/1999
WO	9638374	A1	12/1996
WO	9726086	A2	7/1997
WO	0033970	A1	6/2000

OTHER PUBLICATIONS

US OA dtd May 4, 2017; final.

US OA dtd Oct. 6, 2017; non-final.

US OA dtd Nov. 30, 2016; non-final.

US OA dtd Feb. 11, 2015; quayle.

Tackett, et al. pp. 1-58, 2008, "Positive Displacement Reciprocating Pump Fundamentals-Power and Direct Acting Types," Proceedings of the Twenty-fourth International Pump Users Symposium.

* cited by examiner

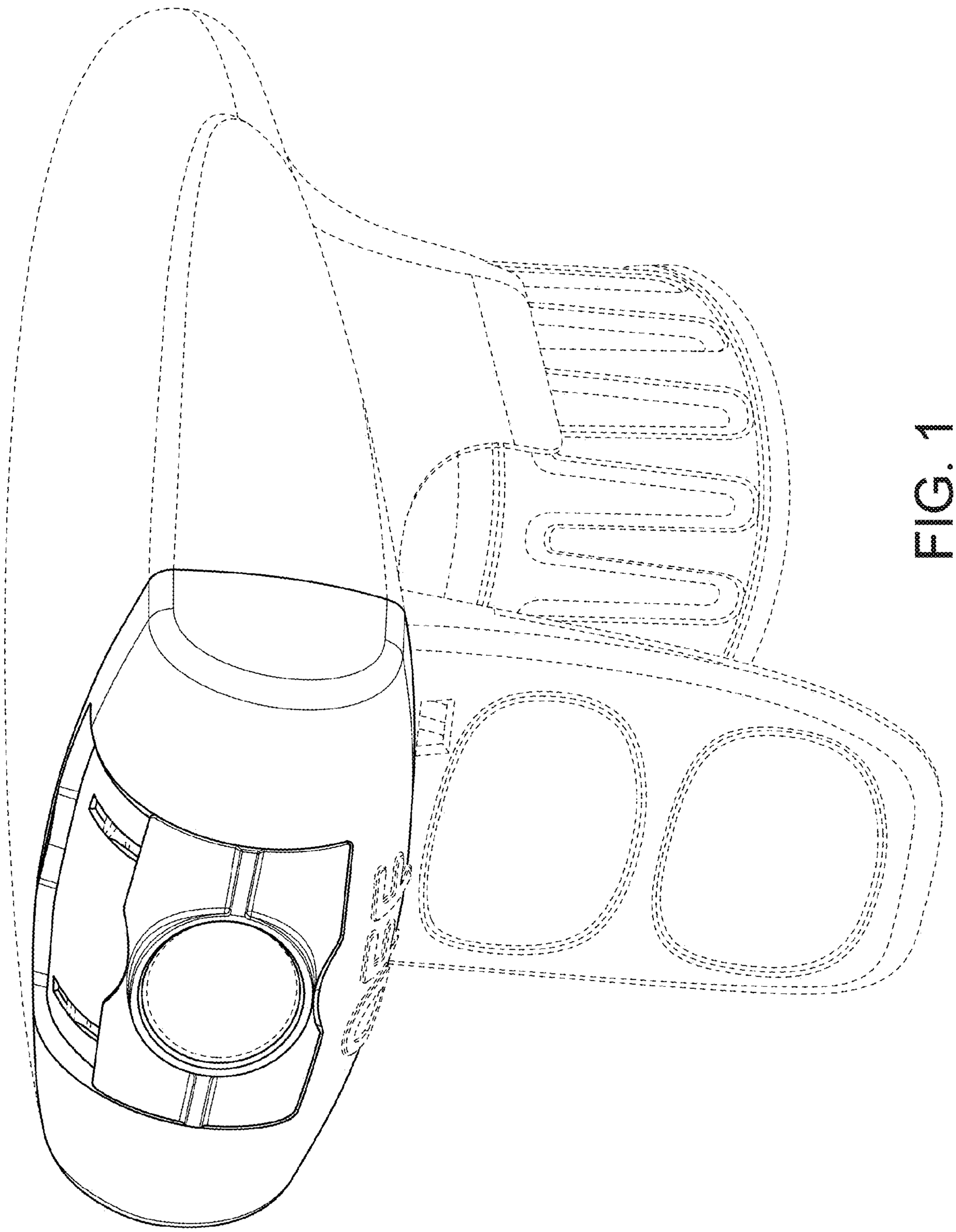


FIG. 1

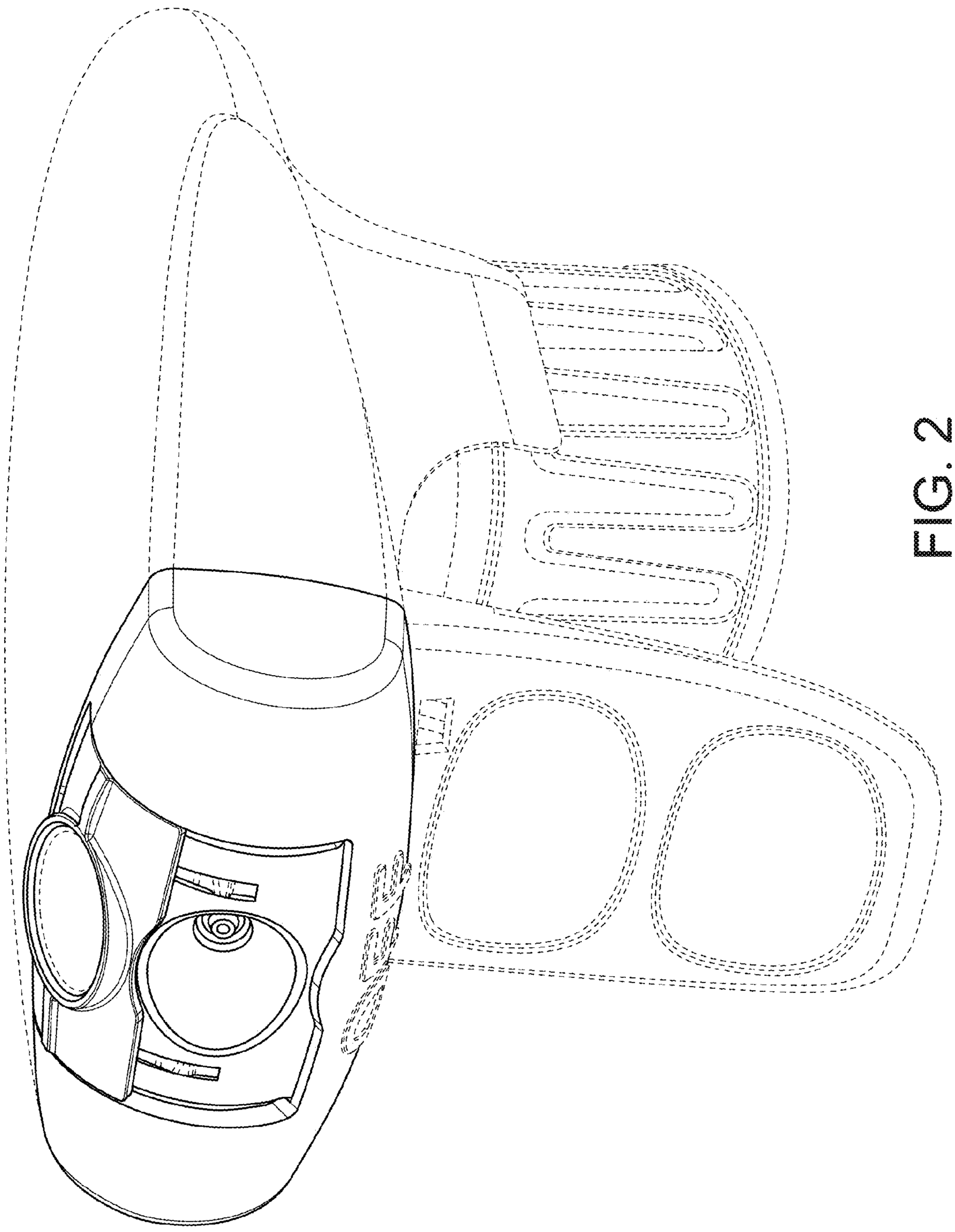


FIG. 2