US00D788602S

(12) **United States Design Patent**
Näslund et al.

(10) **Patent No.: US D788,602 S**
(45) **Date of Patent: ** Jun. 6, 2017**

(54) **SENSOR DEVICE FOR CONTROL OF FLUID DISTRIBUTION IN A WATERING SYSTEM**

(71) Applicant: **HUSQVARNA AB**, Huskvarna (SE)

(72) Inventors: **Jens Näslund**, Spånga (SE); **Daniel Gunnarsson**, Danderyd (SE); **Tor Sigurdson**, Stockholm (SE)

(73) Assignee: **HUSQVARNA AB**, Huskvarna (SE)

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

(21) Appl. No.: **29/541,974**

(22) Filed: **Oct. 9, 2015**

(30) **Foreign Application Priority Data**

Apr. 10, 2015 (EM) 002678821-0022

(51) **LOC (10) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/47**; D10/53; D10/56

(58) **Field of Classification Search**
USPC D10/46, 47, 52, 53, 56
CPC G01D 1/245; G01B 5/30; G01M 5/0075; G01N 29/045; G01N 29/12; G01N 29/2475; G01N 29/2481; G01J 1/429; A63B 24/0084; A63B 24/0062; A63B 24/0075; A63B 69/0028; A63B 71/0622; A63B 71/068
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,872,058	A	8/1932	Bramsen et al.	
5,806,770	A	9/1998	Wang	
D472,959	S	4/2003	Alkalay et al.	
7,271,887	B2 *	9/2007	Bickel	G01W 1/12 356/218
D559,354	S	1/2008	Chih	
D592,731	S	5/2009	Hung	
D609,588	S *	2/2010	Morton	D10/56
D643,907	S	8/2011	Hung	
D677,362	S	3/2013	Christopher	

(Continued)

FOREIGN PATENT DOCUMENTS

AU	356868 A	8/2014
AU	356870 A	8/2014

(Continued)

Primary Examiner — Antoine D Davis
(74) *Attorney, Agent, or Firm* — Nelson Mullins Riley & Scarborough LLP

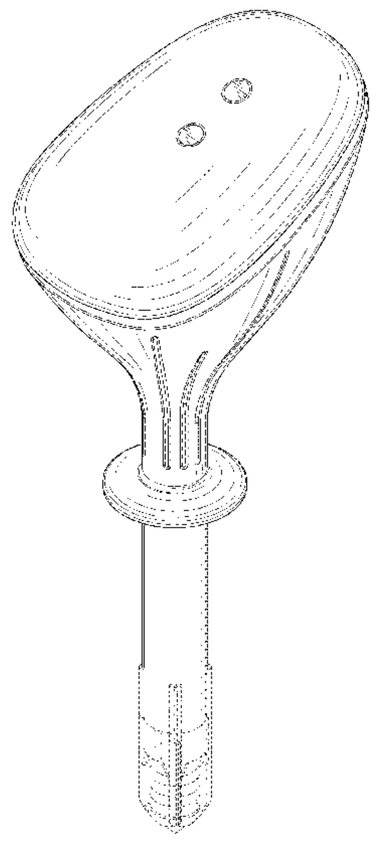
(57) **CLAIM**

The ornamental design for the sensor device for control of fluid distribution in a watering system, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a sensor device for control of fluid distribution in a watering system in accordance with an embodiment of the present invention;
FIG. **2** is a front view of the sensor device for control of fluid distribution in a watering system of FIG. **1**;
FIG. **3** is a back view of the sensor device for control of fluid distribution in a watering system of FIG. **1**;
FIG. **4** is a left side view of the sensor device for control of fluid distribution in a watering system of FIG. **1**;
FIG. **5** is a right side view of the sensor device for control of fluid distribution in a watering system of FIG. **1**;
FIG. **6** is a top view of the sensor device for control of fluid distribution in a watering system of FIG. **1**; and,
FIG. **7** is a bottom view of the sensor device for control of fluid distribution in a watering system of FIG. **1**.
The broken lines of FIGS. **1-7** are illustrative of the visible environmental structure of the sensor device for control of fluid distribution in a watering system and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D688,573	S	*	8/2013	Behrmann	D10/56
D713,932	S		9/2014	Mammen	
D746,945	S		1/2016	Näslund	
D746,946	S		1/2016	Näslund	
D746,947	S		1/2016	Näslund	
D747,441	S		1/2016	Näslund	
D748,758	S		2/2016	Duong et al.	
D756,249	S	*	5/2016	Xiao	D10/52
D774,404	S	*	12/2016	Piro	D10/47

FOREIGN PATENT DOCUMENTS

CA	157903	S	7/2015
CA	157904	S	7/2015
CA	157977	S	7/2015
CA	157979	S	7/2015
EM	0024244650035	A1	8/2016
JP	1521415	S	4/2015
JP	1521416	S	4/2015
JP	1521428	S	4/2015
JP	1521694	S	4/2015
TW	D589094	A	5/2004
TW	D118254	A	7/2007
TW	D128011	A	3/2009
TW	D130862	A	9/2009
TW	D166728	S	3/2015
TW	D166729	A	3/2015
TW	D166732	A	3/2015

* cited by examiner

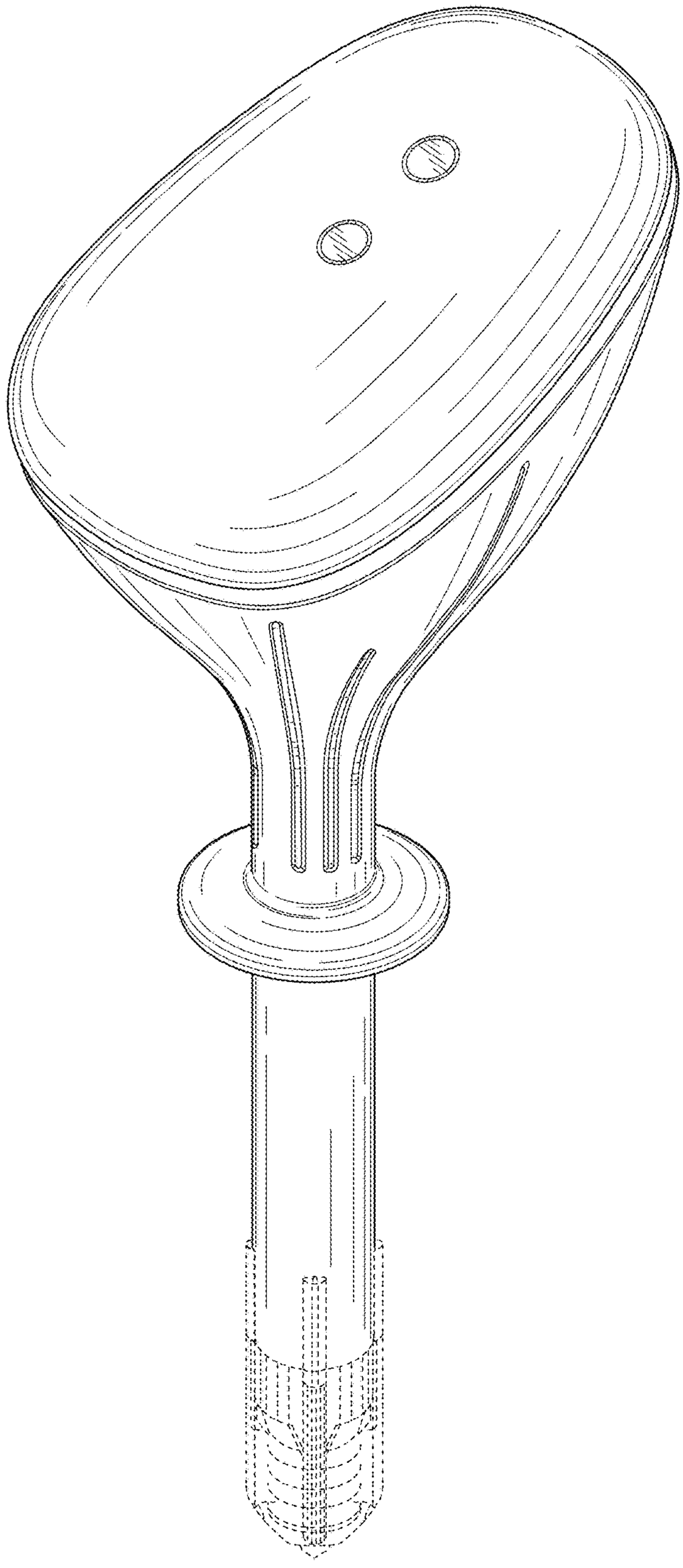


FIG. 1

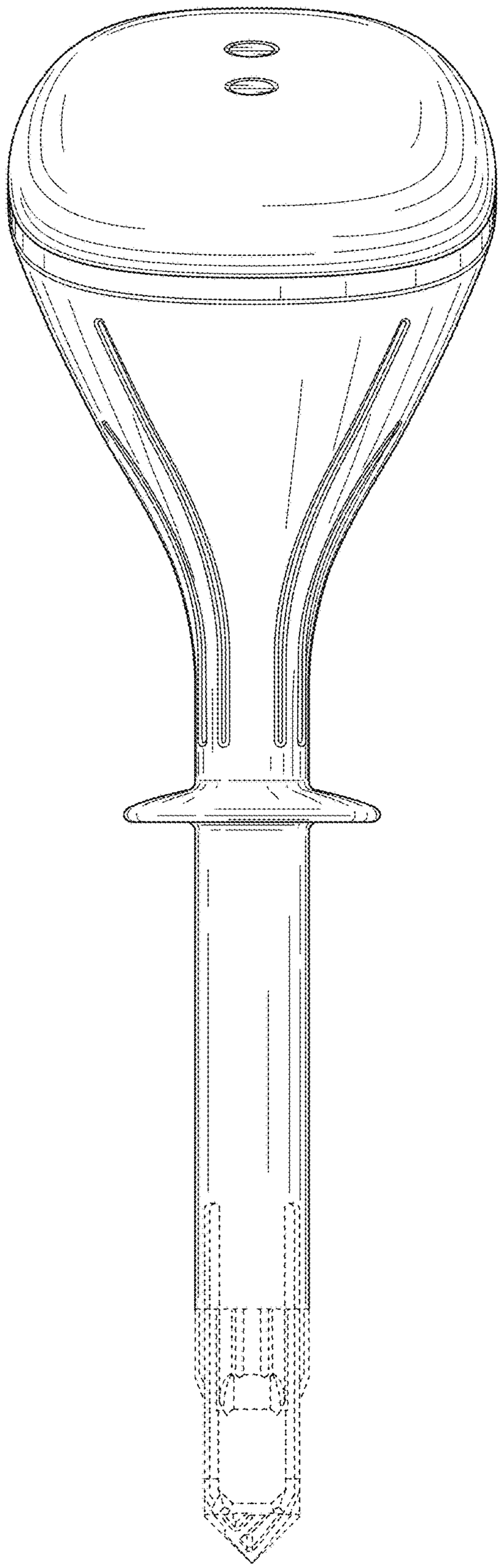


FIG. 2

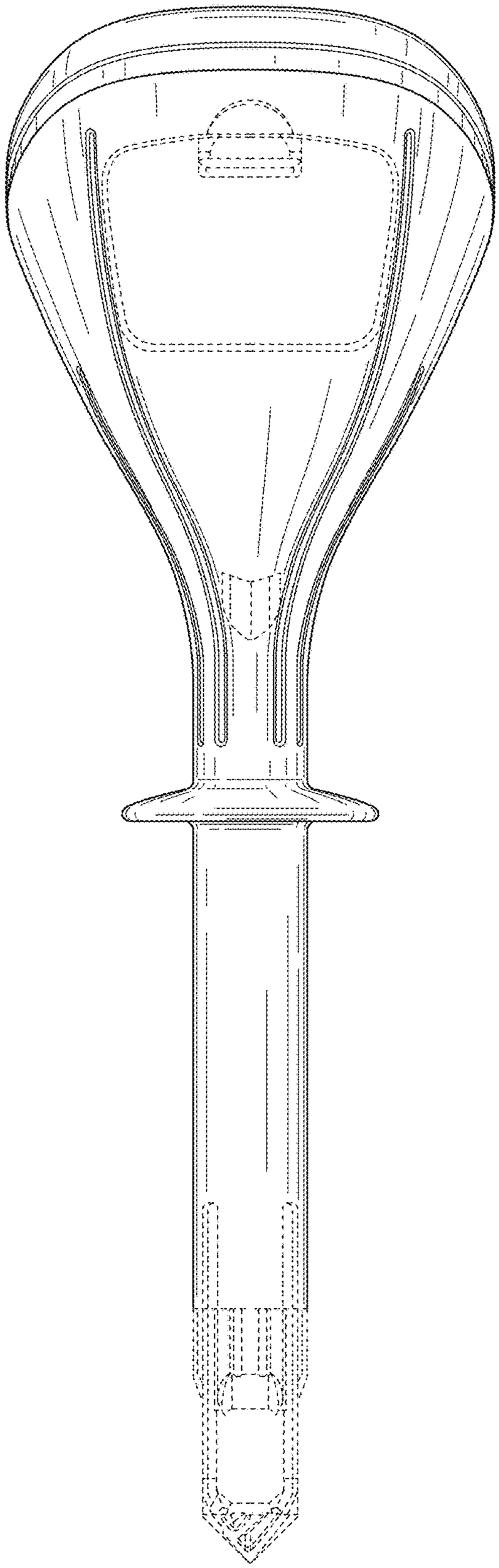


FIG. 3

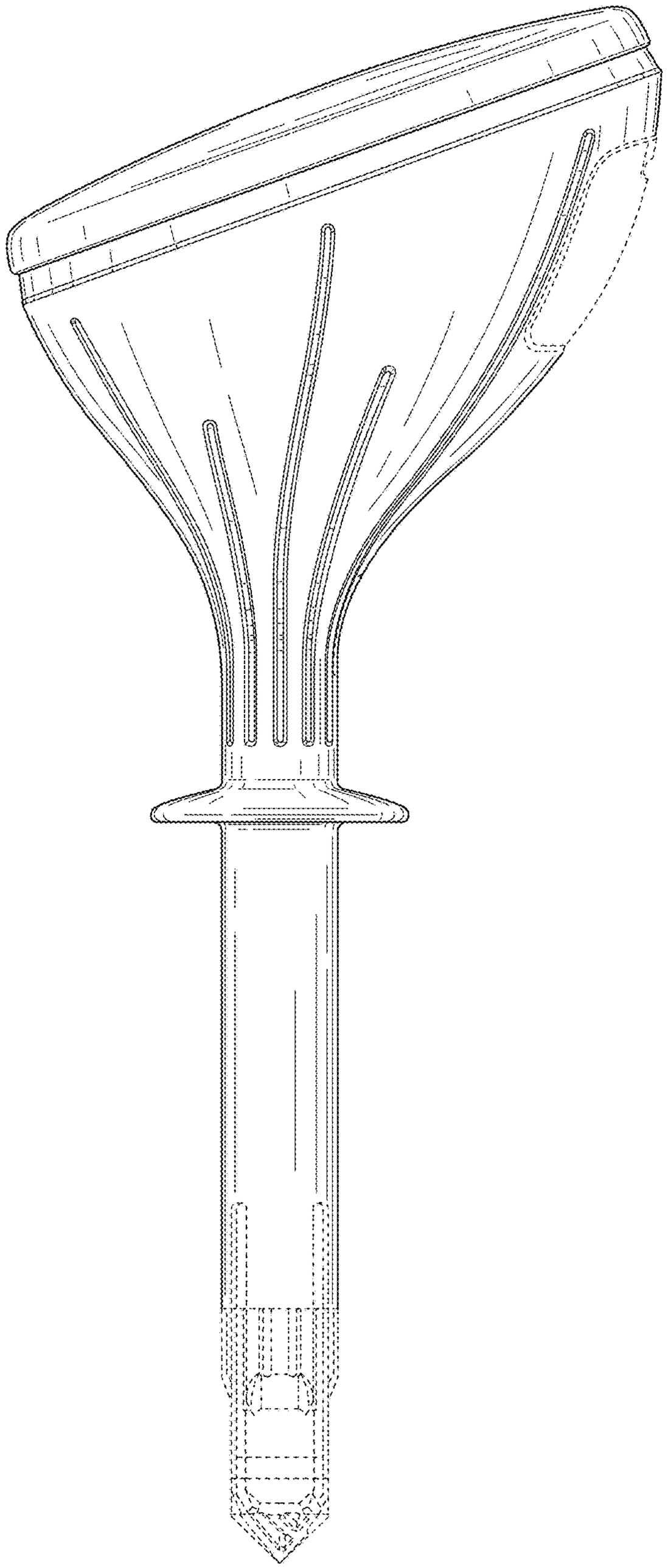


FIG. 4

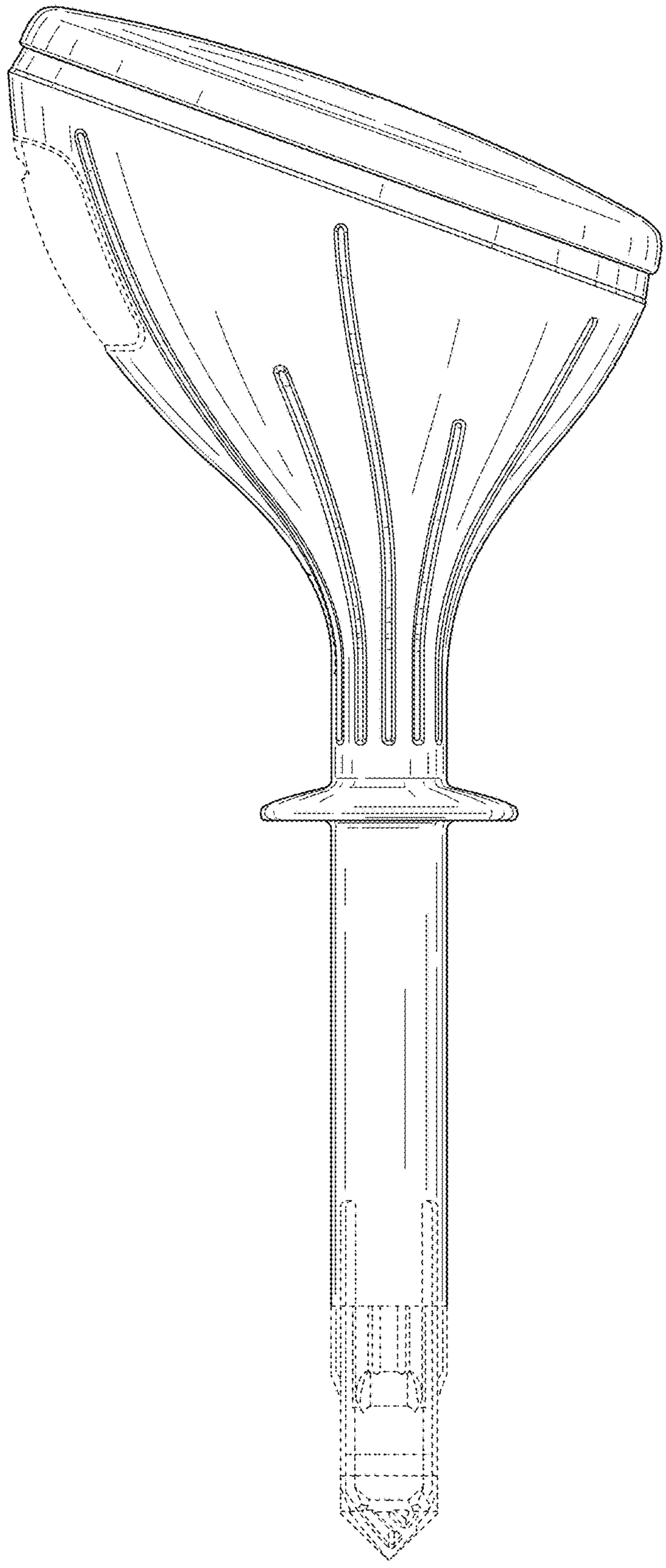


FIG. 5

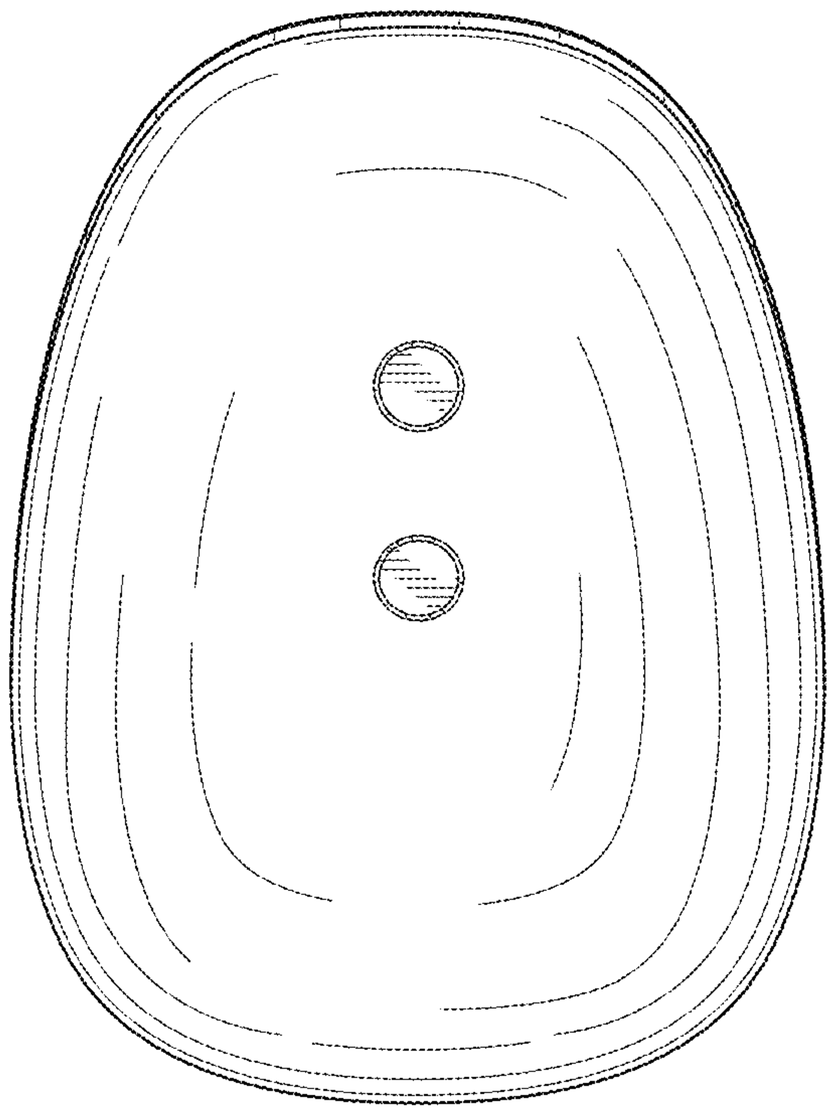


FIG. 6

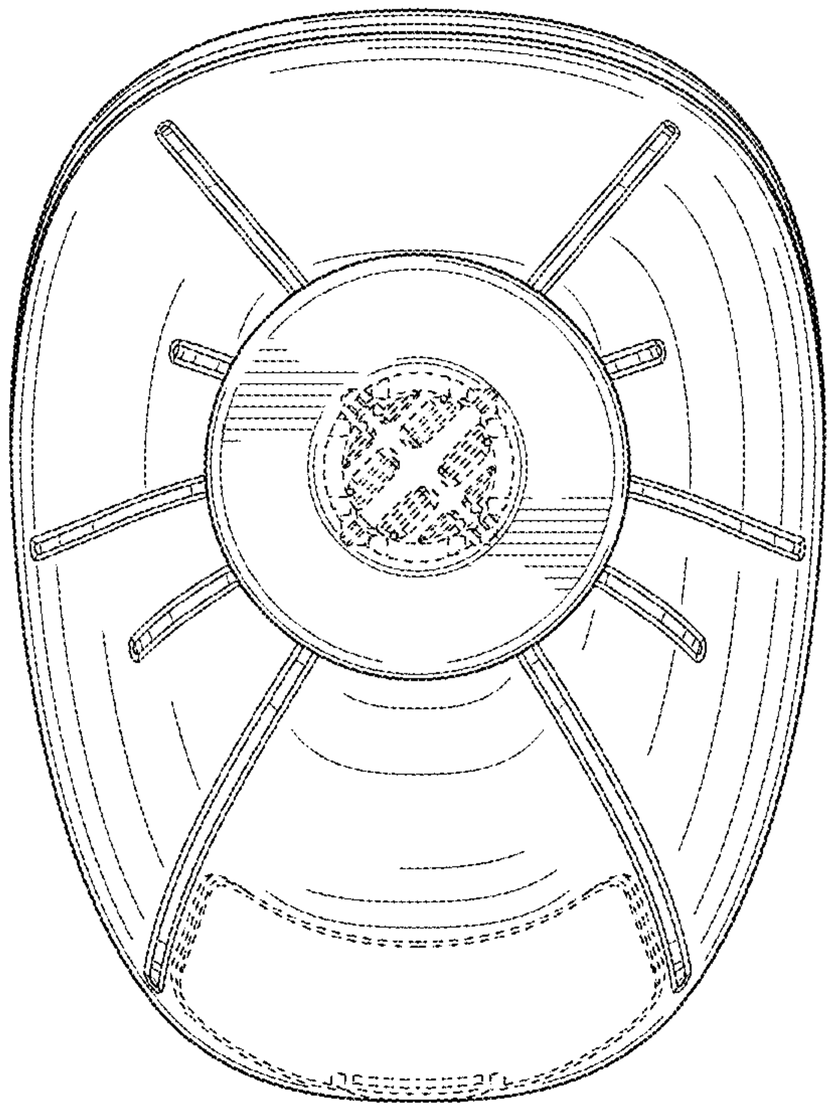


FIG. 7