



US00D823143S

(12) **United States Design Patent** (10) **Patent No.:** **US D823,143 S**
Kareco et al. (45) **Date of Patent:** **** Jul. 17, 2018**

(54) **COMBINED CAP AND BASE OF A SENSOR**

5,693,887 A 12/1997 Englund et al.
5,730,943 A 3/1998 Ford et al.
5,852,244 A 12/1998 Englund et al.

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(Continued)

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FOREIGN PATENT DOCUMENTS

DE 9419603 U1 * 2/1995 G01D 11/245

OTHER PUBLICATIONS

Sensors, posted on idex-hs.com, copyrighted 2016, no production date given, [online], [site visited Mar. 30, 2017], Available from Internet, <URL: <https://www.idex-hs.com/fluidics/sensors.html>>.*

(Continued)

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

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(21) Appl. No.: **29/558,754**

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(22) Filed: **Mar. 21, 2016**

(57) **CLAIM**

(51) **LOC (11) Cl.** **10-09**

We claim the ornamental design for a combined cap and base of a sensor, as shown and described.

(52) **U.S. Cl.**

USPC **D10/46**

DESCRIPTION

(58) **Field of Classification Search**

USPC D10/46, 50–56, 75, 78, 106.7, 72, 104.1;
D13/125, 134, 158, 159; D14/159;
D26/72

CPC F15C 1/08; F15C 1/005; G01D 11/00;
G01D 11/24; G01D 11/245

See application file for complete search history.

FIG. 1 is an isometric view of the cap and base of a sensor. FIG. 2 is a top view of the cap and base of the sensor shown in FIG. 1.

FIG. 3 is a first side view of the cap and base of the sensor shown in FIG. 1, with the opposite side being a mirror image thereof.

FIG. 4 is a second side view of the cap and base of the sensor shown in FIG. 1, with the opposite side being a mirror image thereof.

FIG. 5 is an isometric view of the bottom of the cap and base of the sensor shown in FIG. 1; and,

FIG. 6 is a side view of the cap and base of the sensor shown in FIG. 1.

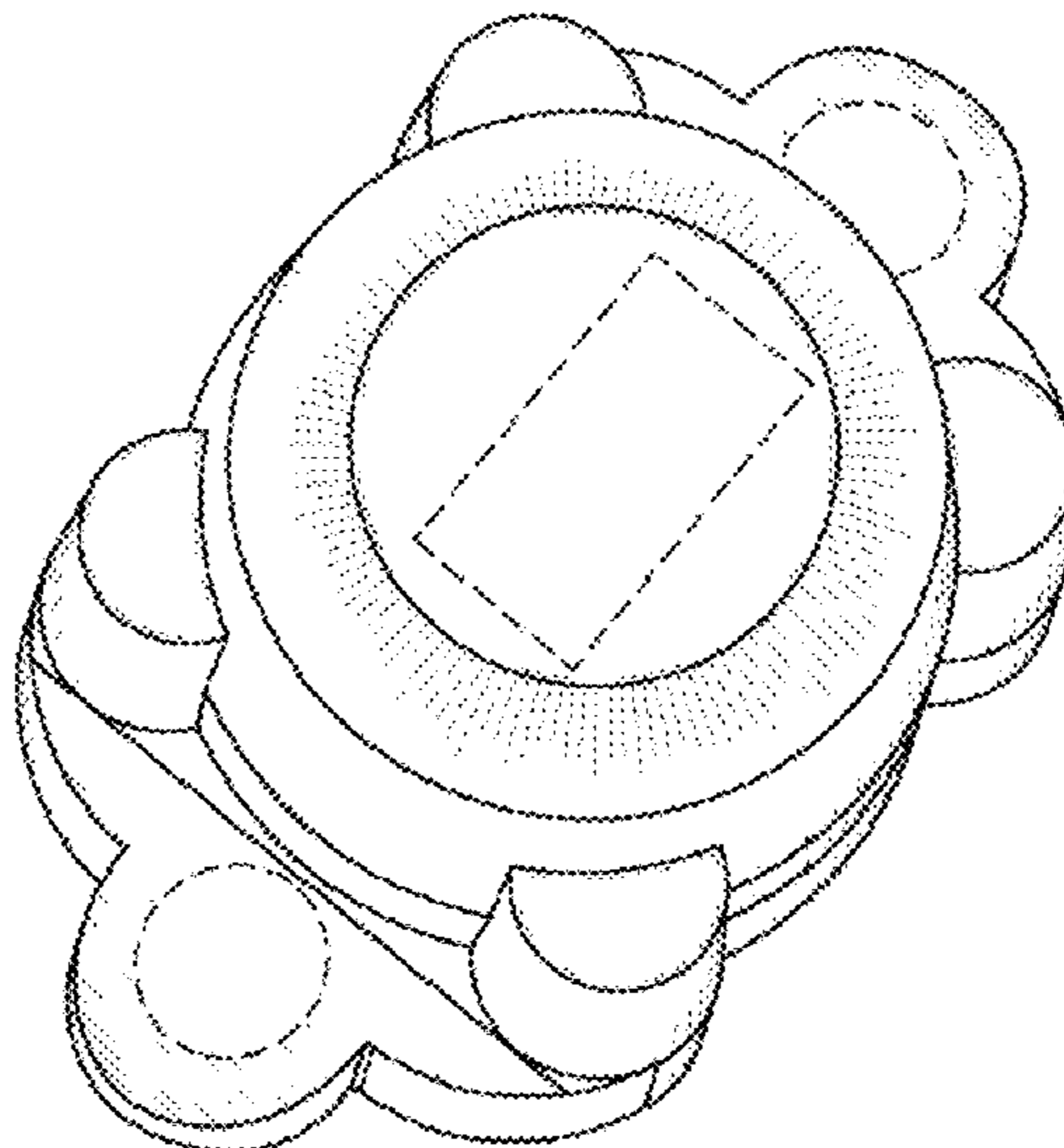
The broken lines show portions of a combined cap and base of a sensor that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,713,341 A	1/1973	Madsen et al.	
3,880,151 A	4/1975	Nilsson et al.	
D248,838 S *	8/1978	Pasquarette	D10/60
D254,052 S *	1/1980	Wolfe	D10/51
D288,602 S *	3/1987	Brown, Jr.	D24/133
D288,670 S *	3/1987	Steiner	D10/50
4,920,972 A	5/1990	Frank et al.	
5,525,303 A	6/1996	Ford et al.	

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,869,766	A	2/1999	Cucci et al.	
D471,825	S *	3/2003	Peabody	D10/50
D506,689	S *	6/2005	Backlund	D10/60
D569,175	S *	5/2008	Mansfield	D7/387
D675,543	S *	2/2013	Brooking	D10/56
D700,075	S *	2/2014	Bould	D10/49
D705,098	S *	5/2014	Brooking	D10/56
D718,201	S *	11/2014	Drew	D12/192
D746,511	S *	12/2015	Gettings	D26/135
D755,792	S *	5/2016	Lessel	D14/435
D757,585	S *	5/2016	Hojmose	D10/106.1
D758,230	S *	6/2016	Hojmose	D10/106.5
D760,221	S *	6/2016	Maruyama	D14/357
D775,980	S *	1/2017	Christianson	D10/106.6
2017/0057483	A1 *	3/2017	Reed	B60T 17/00
2017/0248449	A1 *	8/2017	Kareco	G01D 11/245

OTHER PUBLICATIONS

Pressure Sensors, posted on idex-hs.com, copyrighted 2016, no production date posted, [online], [site visited Oct. 11, 2017], Available from internet, URL: <https://www.idex-hs.com/fluidics/sensors/pressure-sensors.html> (Year: 2016).*

Capillary Pressure Sensor, posted on elveflow.com, copyrighted 2015, no production date given, [online], [site visited Oct. 11, 2017], Available from internet, URL: <http://www.elveflow.com/microfluidic-tutorials/microfluidic-applications/pressure-sensor-feedback-loop/> (Year: 2015).*

Manifold Flow Meter, posted on banjocorp.com, no posted date given, no production date given, [online], [site visited Oct. 11, 2017], Available from Internet, URL: <http://banjocorp.com/products/manifold-flange-connections/flow-meters/mfm220> (Year: 2017).*

* cited by examiner

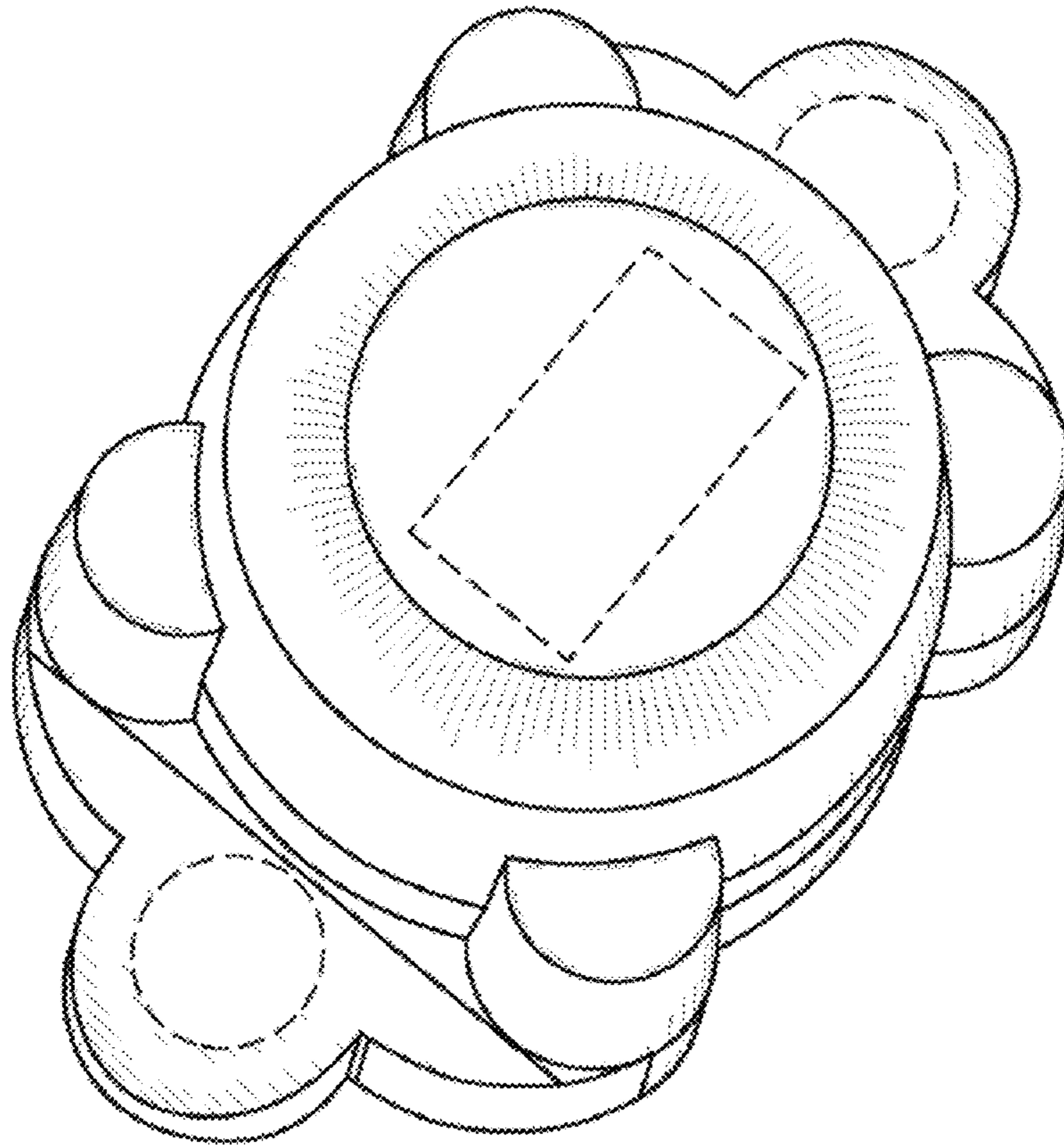


FIG. 1

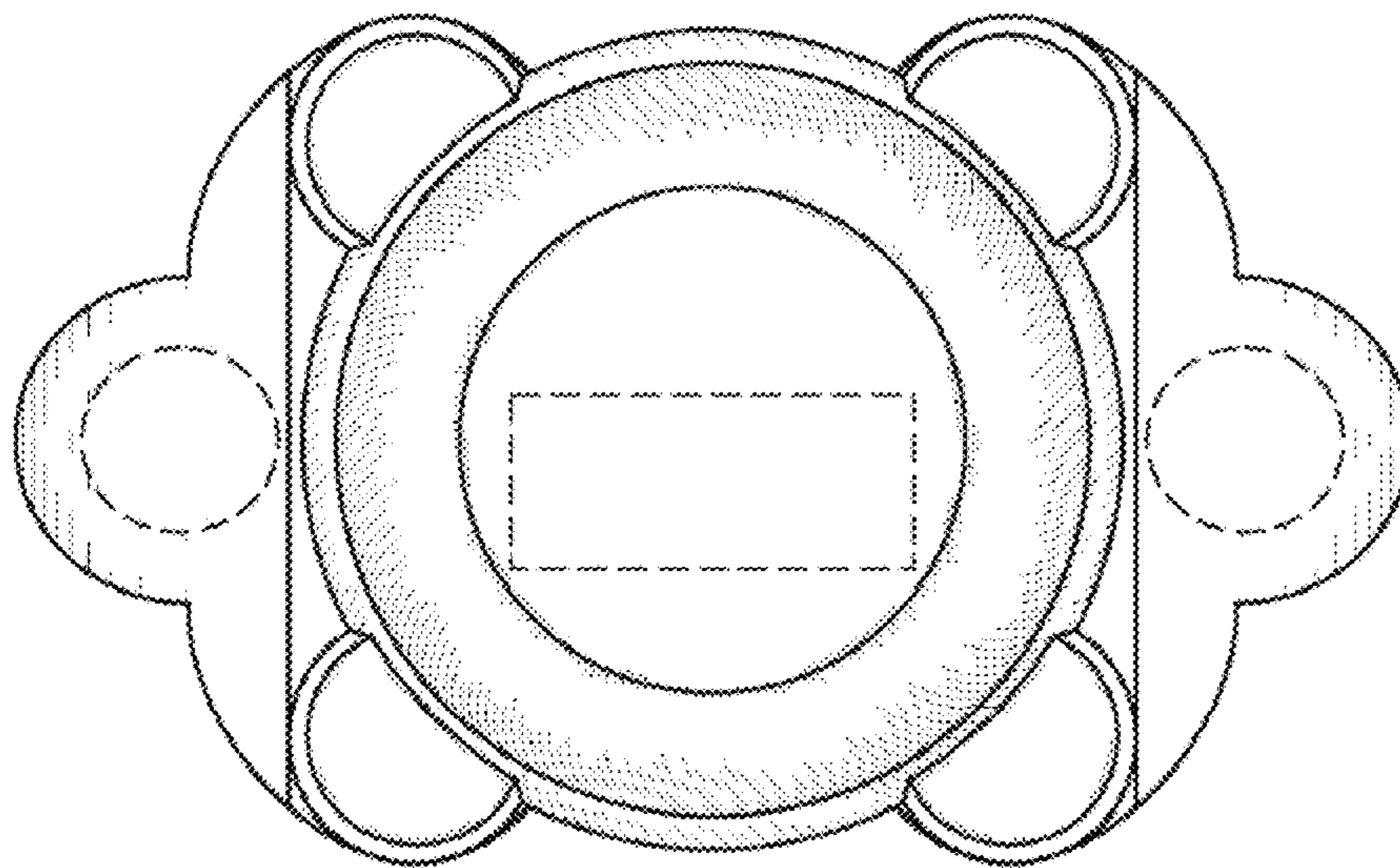


FIG. 2

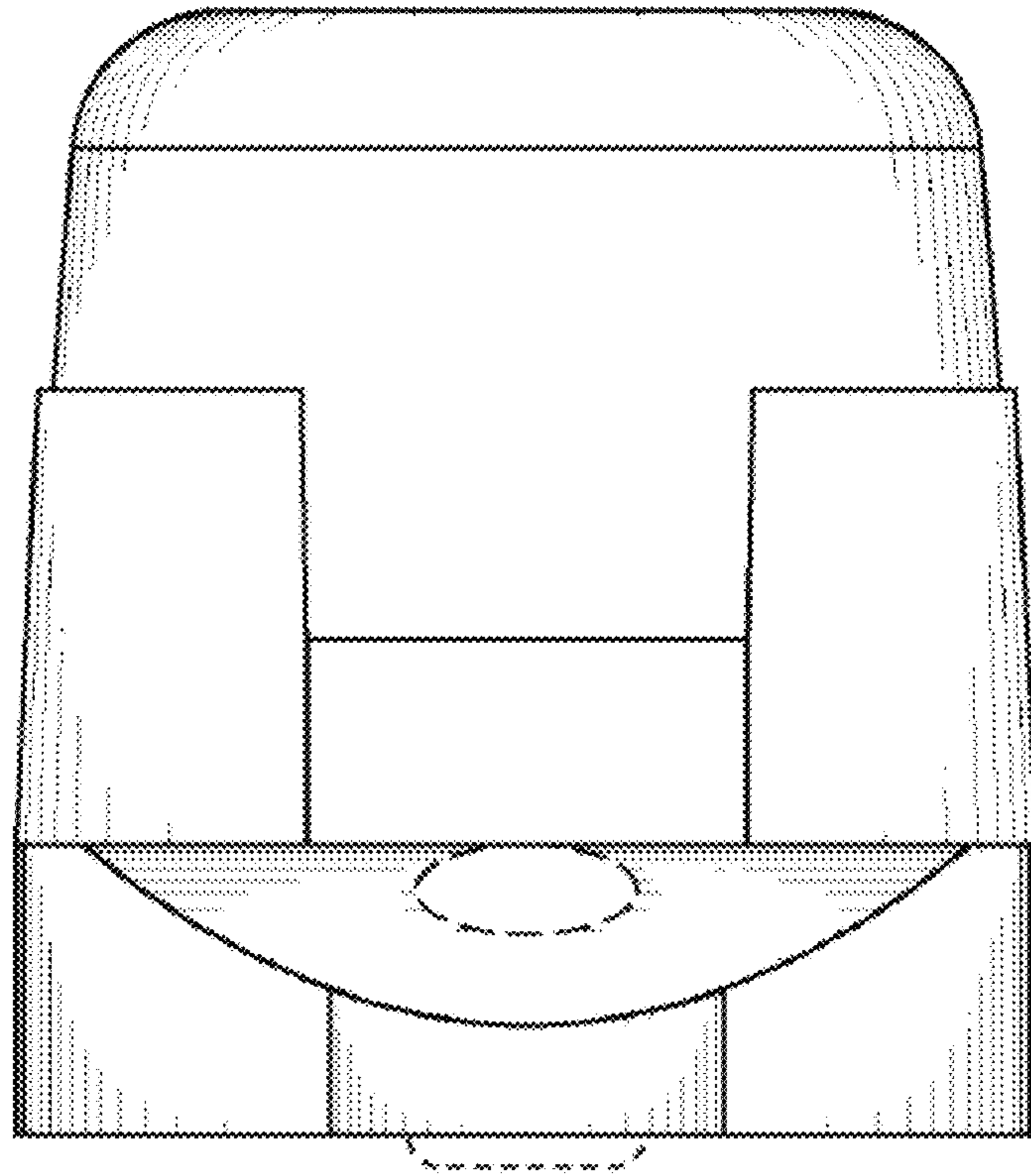


FIG. 3

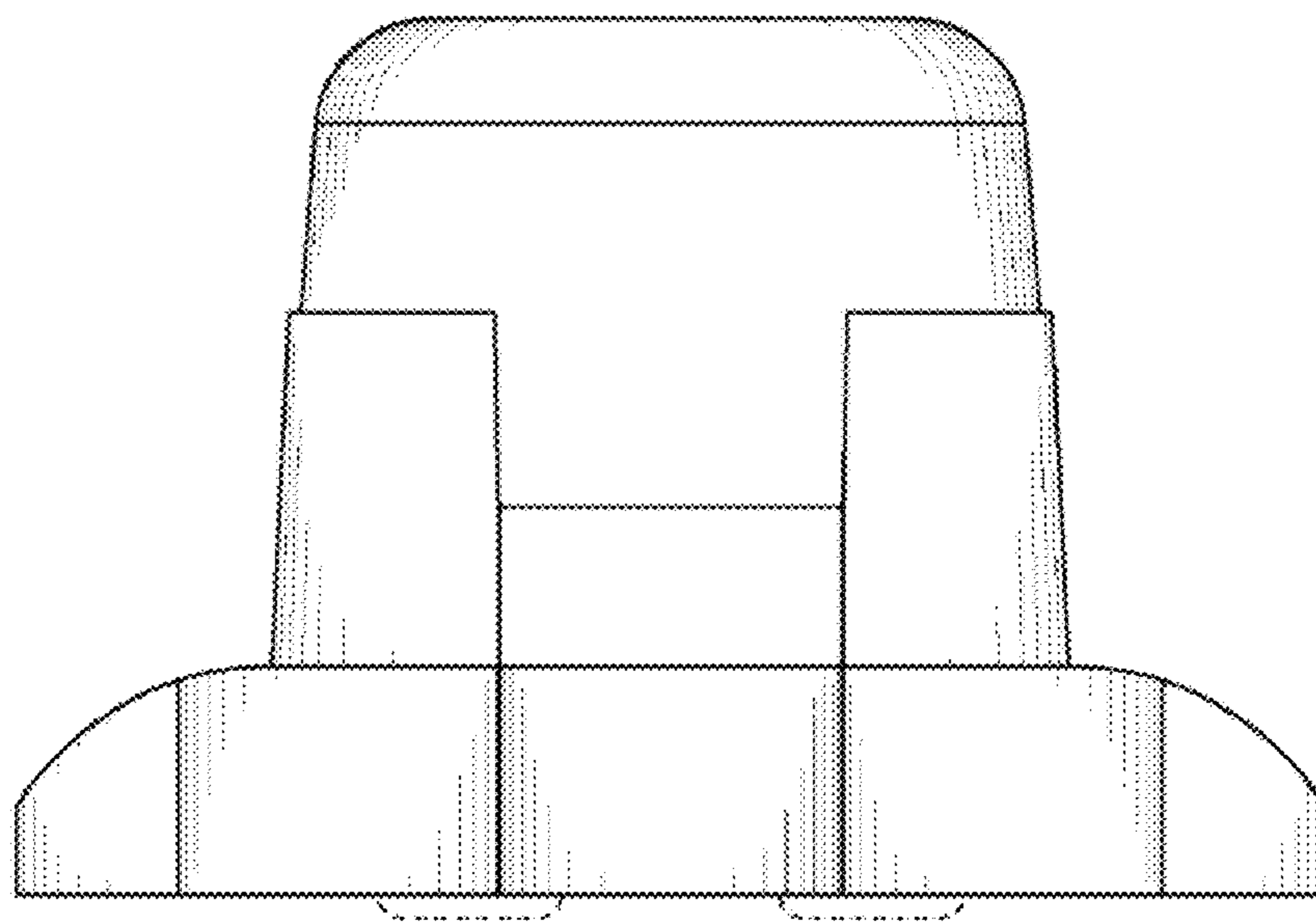


FIG. 4

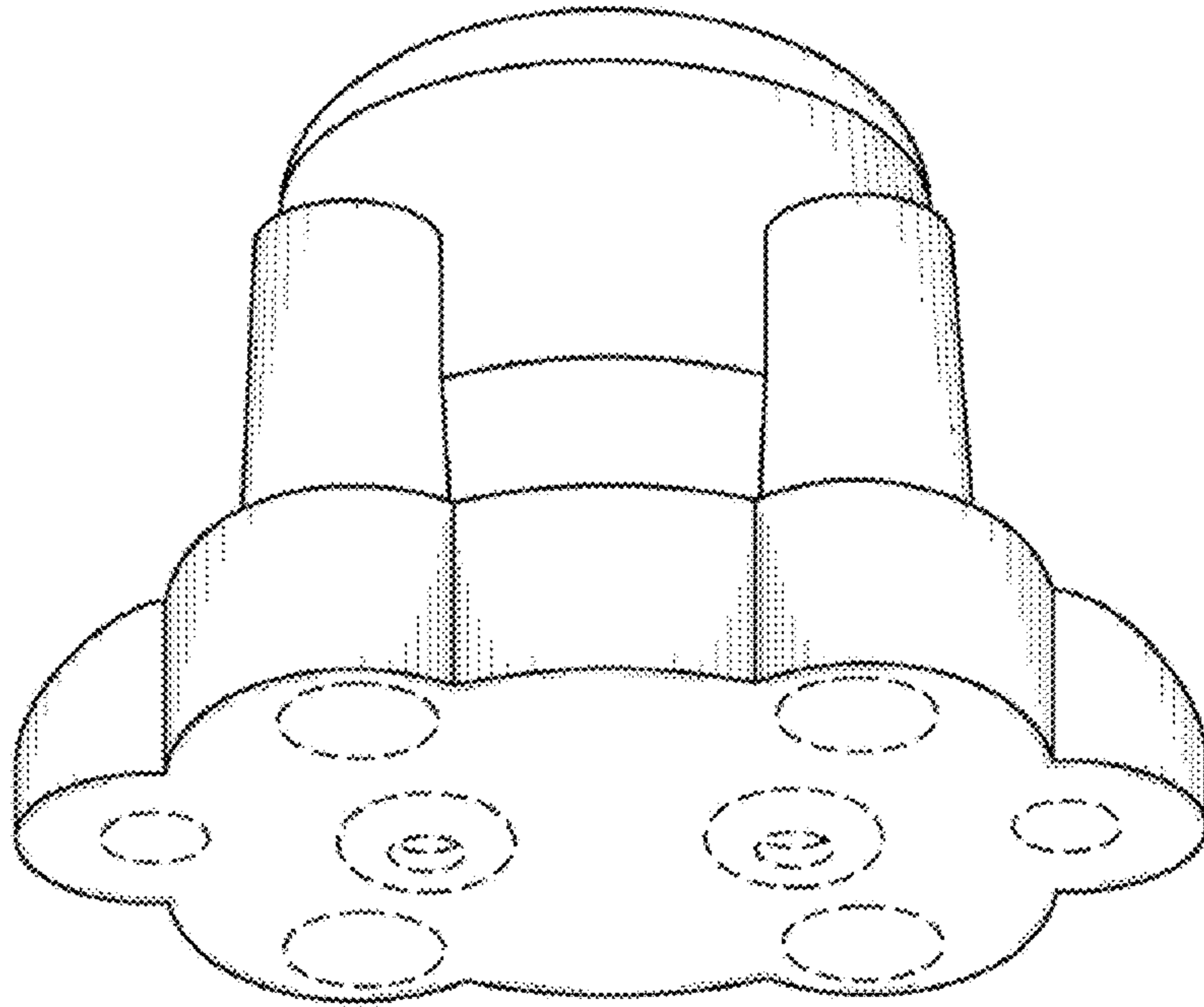


FIG. 5

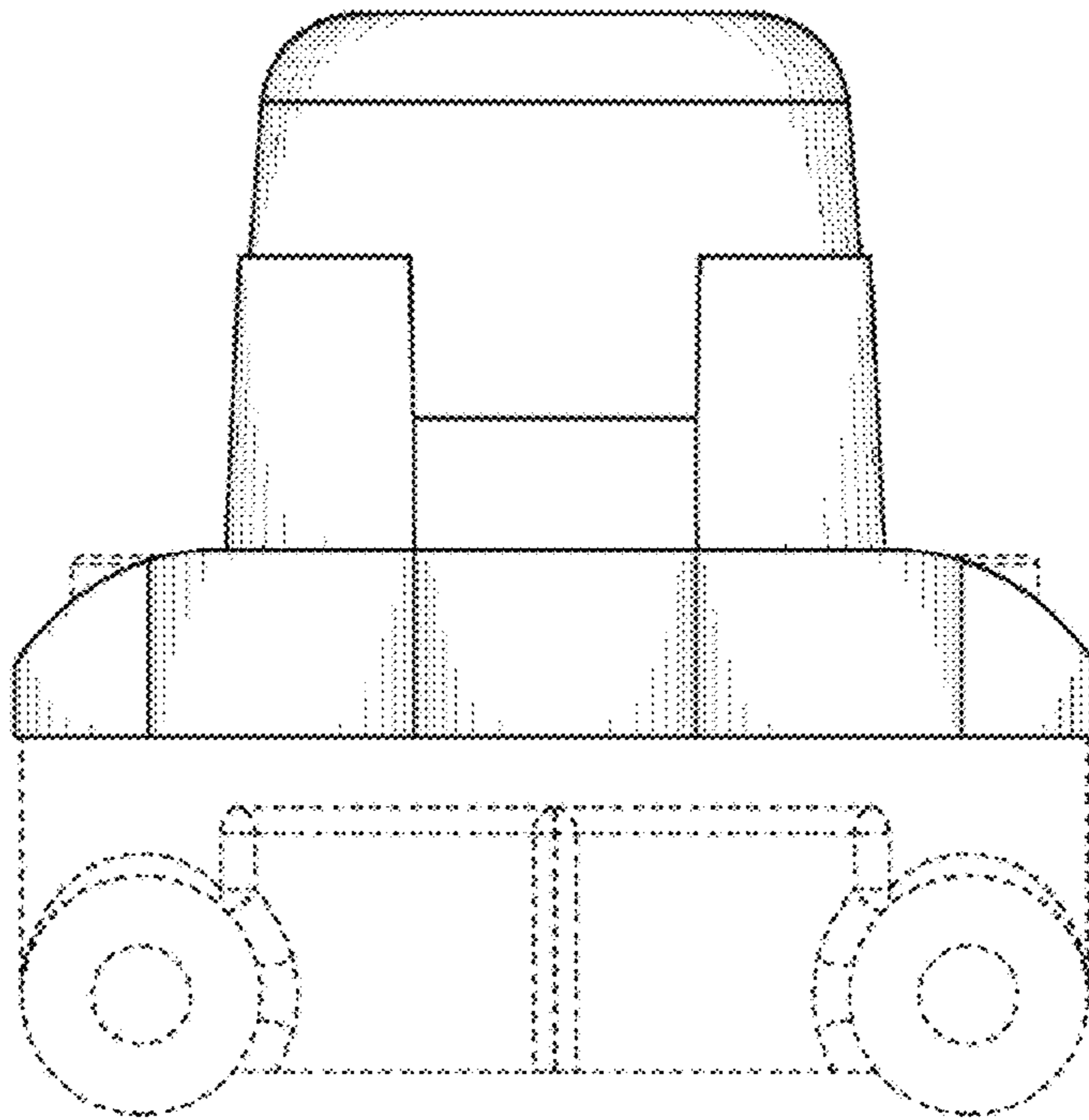


FIG. 6