

US00D653728S

(12) **United States Design Patent**
Light

(10) **Patent No.:** **US D653,728 S**
(45) **Date of Patent:** **** Feb. 7, 2012**

(54) **VALVE DISK**

(56) **References Cited**

(75) Inventor: **Gerard M. Light**, Marshall, MI (US)

(73) Assignee: **BorgWarner Inc.**, Auburn Hills, MI
(US)

(**) Term: **14 Years**

(21) Appl. No.: **29/365,073**

(22) Filed: **Jul. 2, 2010**

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/277,533,
filed on Mar. 27, 2006.

(51) **LOC (9) Cl.** **23-01**

(52) **U.S. Cl.** **D23/233**

(58) **Field of Classification Search** D23/233-237,
D23/244-249; 137/454.2, 454.5, 454.6,
137/625.21, 625.23, 625.31, 625.41, 614.17,
137/614.18, 312; 251/121, 205-209, 212-215,
251/283, 286, 288, 292, 293, 304, 305, 307,
251/309-315.01, 317, 317.01, 366; 192/58.61,
192/58.63-58.7, 58.8

See application file for complete search history.

U.S. PATENT DOCUMENTS

3,499,627	A *	3/1970	Horn	251/158
3,537,164	A *	11/1970	Williams	29/890.12
5,251,871	A *	10/1993	Suzuki	251/127
6,073,647	A *	6/2000	Cook et al.	137/315.12
7,530,368	B2 *	5/2009	Deger	137/614.18
D637,695	S *	5/2011	Fujiyama	D23/233
2009/0126671	A1 *	5/2009	Park	123/190.14

* cited by examiner

Primary Examiner — Cathron C. Brooks

Assistant Examiner — Maurice Stevens

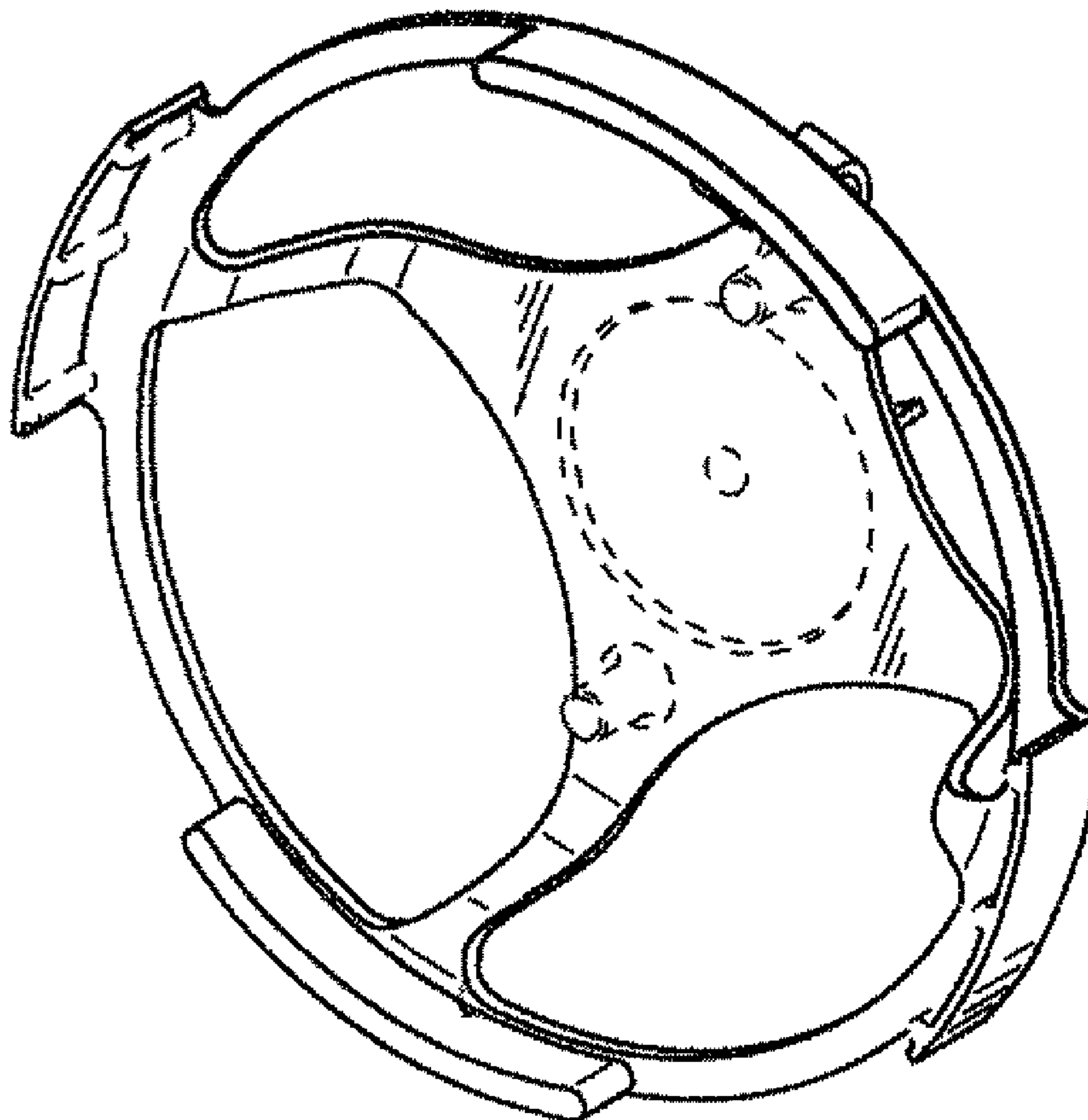
(57) **CLAIM**

The ornamental design for the valve disk, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the valve disk;
FIG. 2 is a front view of the valve disk;
FIG. 3 is a rear view of the valve disk;
FIG. 4 is a right side view of the valve disk;
FIG. 5 is a left side view of the valve disk; and,
FIG. 6 is a cross-sectional view of the clutch housing.
The dashed lines are provided simply to show the environ-
ment and form no part of the invention.

1 Claim, 1 Drawing Sheet



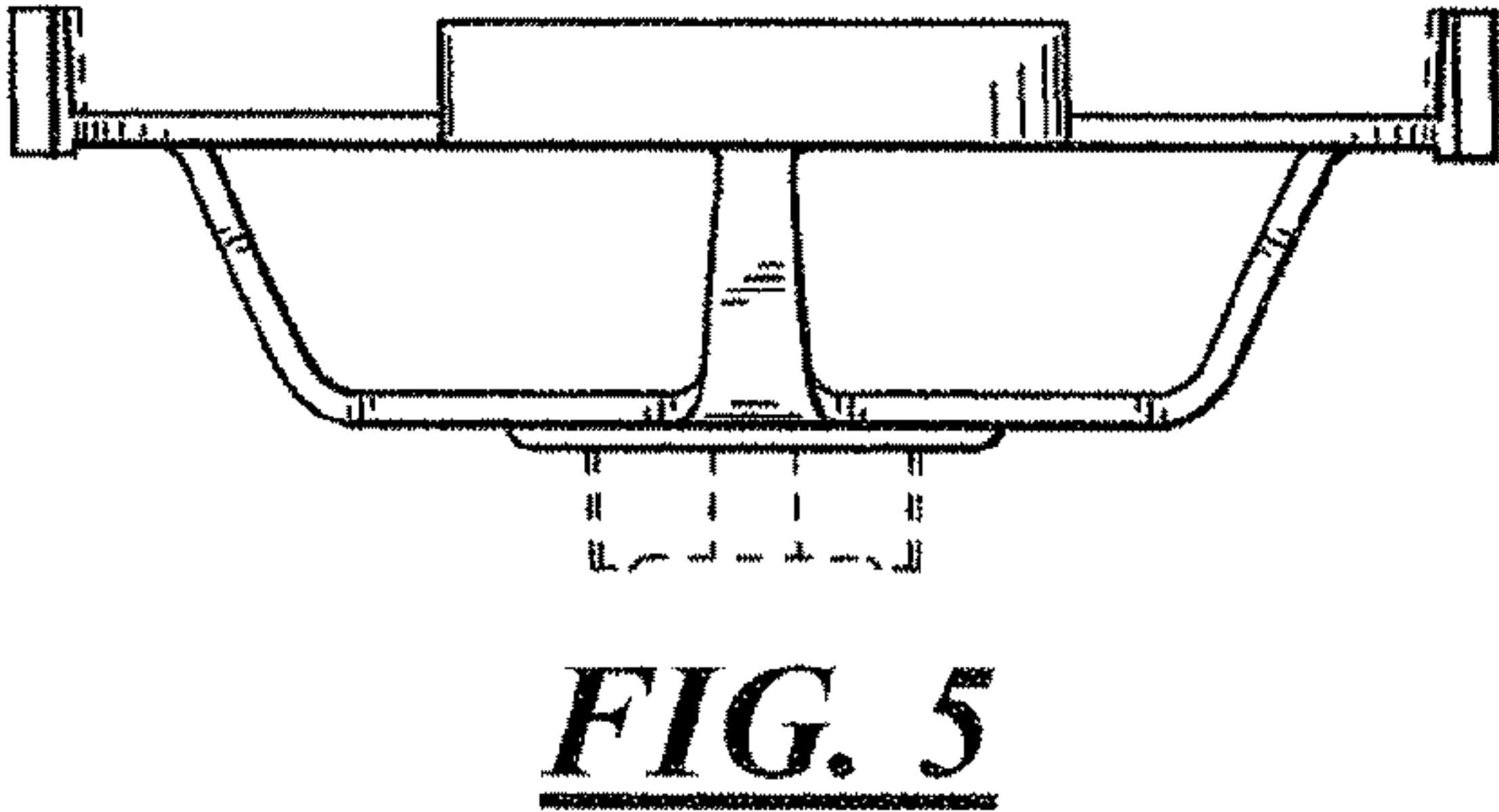
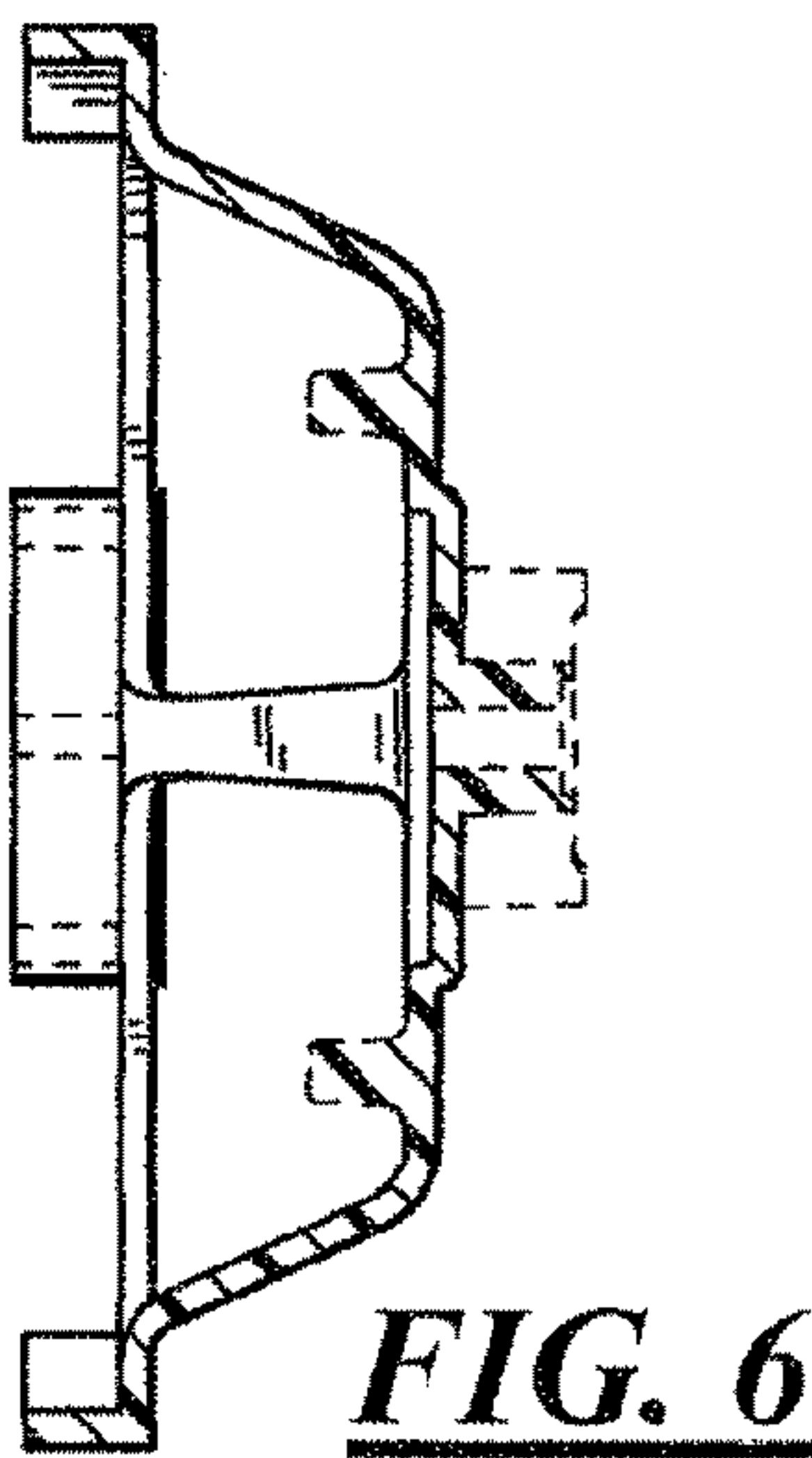
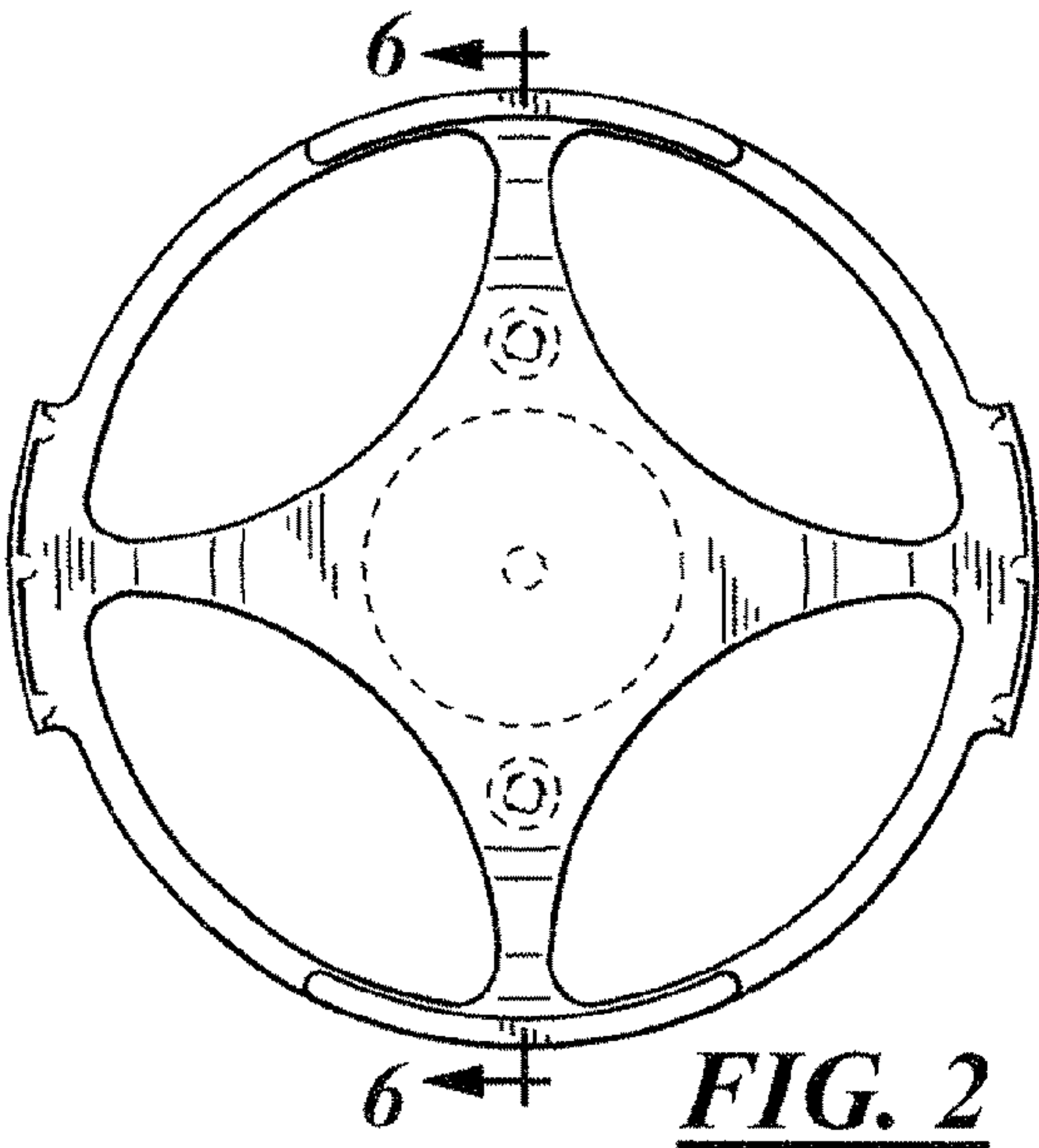
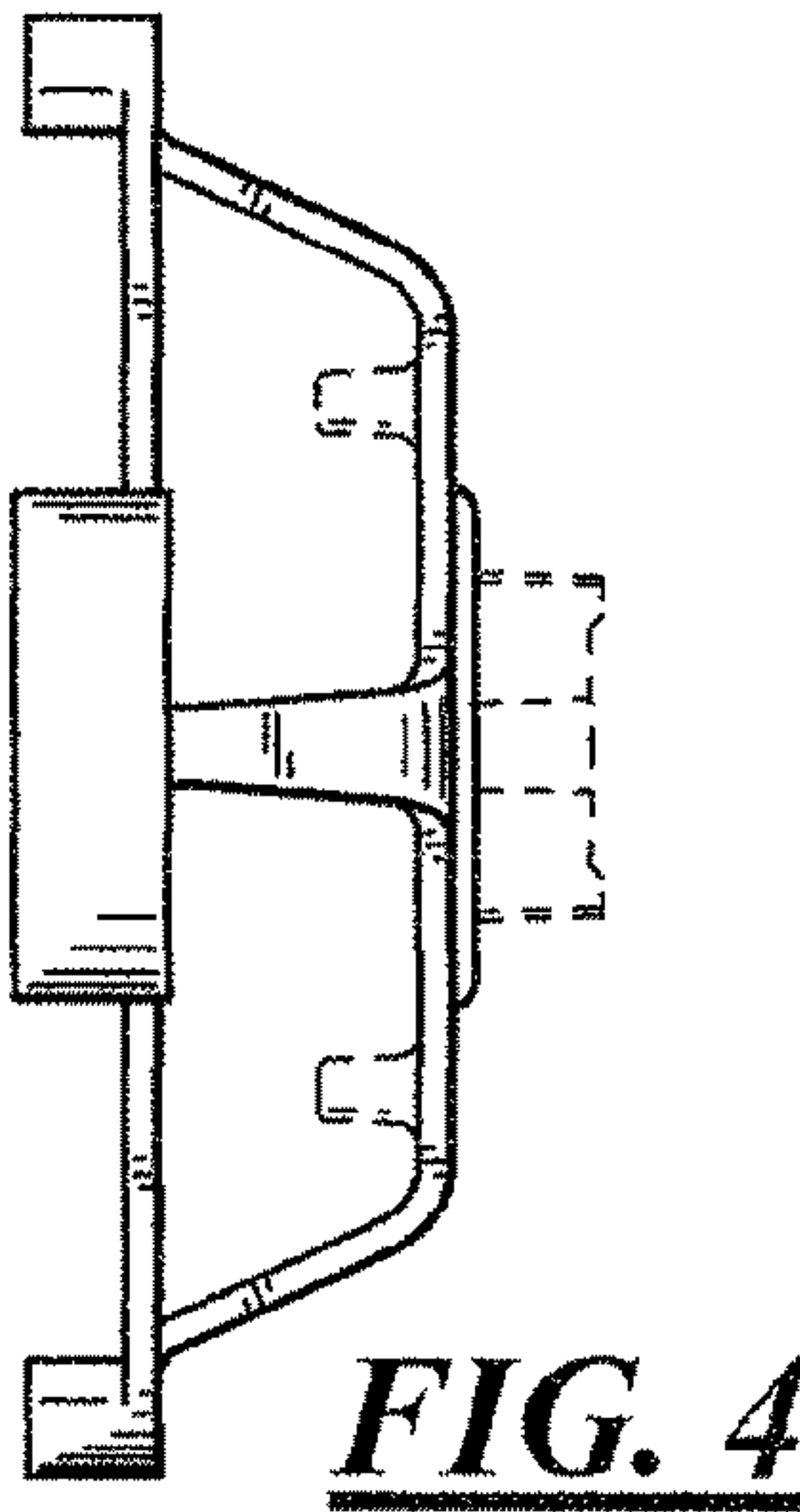
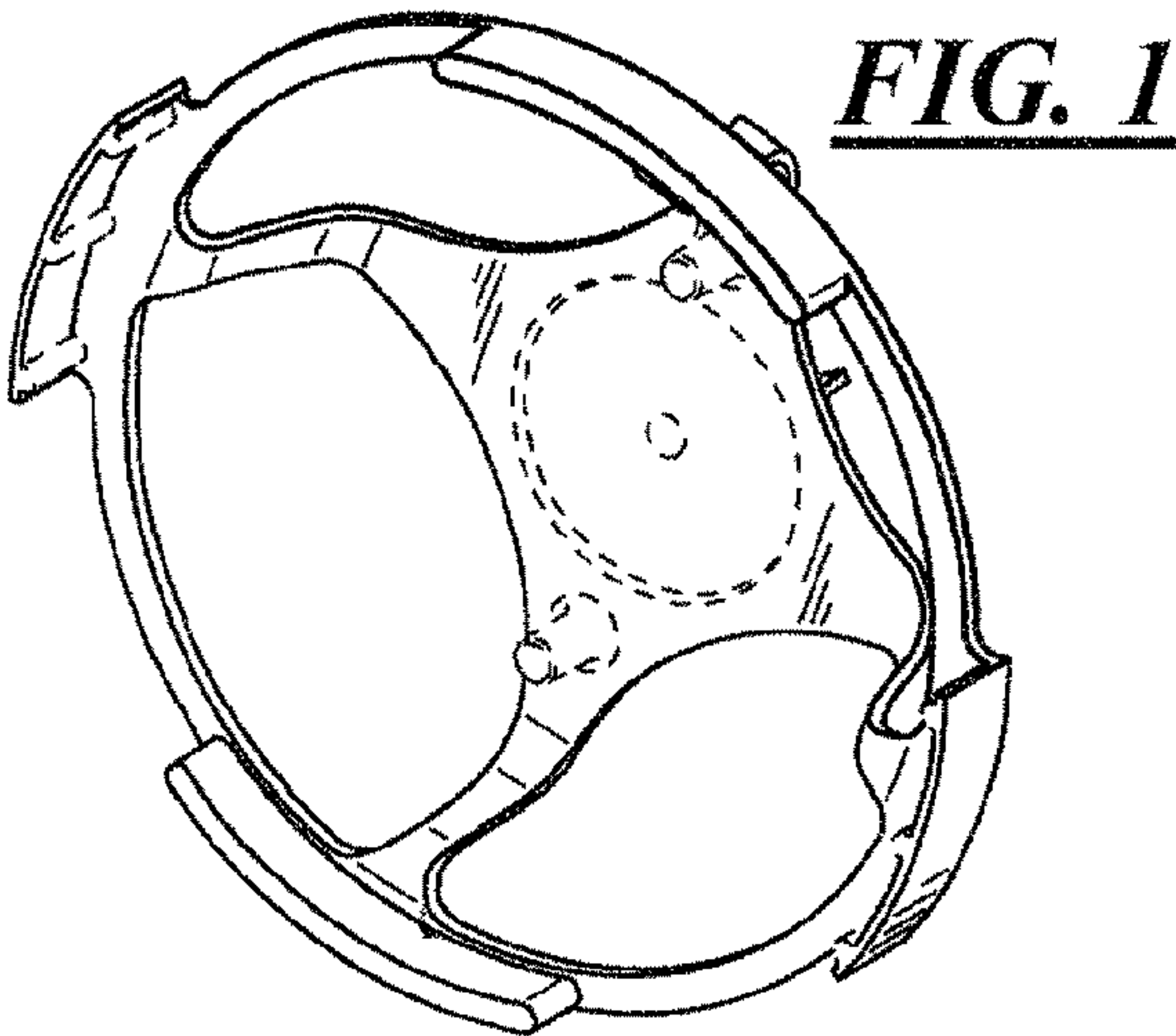


FIG. 3

