



US00D377485S

United States Patent [19]

[11] Patent Number: Des. 377,485

Kaneko et al.

[45] Date of Patent: **Jan. 21, 1997

[54] POINTING DEVICE

[75] Inventors: Steven T. Kaneko; Aditha M. Adams; Christopher Alviar, all of Seattle; Ferdinand van Engelen, Bellevue; Dana Kim, Redmond; Bridget C. Greenberg; Dick C. K. Liu, both of Bellevue, all of Wash.

[73] Assignee: Microsoft Corporation, Redmond, Wash.

[**] Term: 14 Years

[21] Appl. No.: 37,711

[22] Filed: Apr. 12, 1995

[52] U.S. Cl. D14/114

[58] Field of Search D14/100, 107, D14/114; D13/158; D21/48; 178/18-19; 200/5 R, 5 A, 6 R, 6 A; 213/148 B; 273/148 B, 438; 345/156-67; 74/471 XY

[56] References Cited

U.S. PATENT DOCUMENTS

D. 272,921	3/1984	Kim	D21/49
D. 281,776	12/1985	Griffin	D21/48 X
D. 289,306	4/1987	Burnstein et al.	D21/48
D. 291,318	8/1987	Kim	D14/114
D. 292,600	11/1987	Wagner	D21/48
D. 299,140	12/1988	Nakamura	D14/114
D. 302,010	7/1989	McLaughlin et al.	D14/114
D. 315,552	3/1991	Sacherman	D14/114
D. 326,261	5/1992	Ashmun et al.	D14/114
D. 335,656	5/1993	Garthwaite et al.	D14/114
D. 347,628	6/1994	Ashmura et al.	D14/114
3,395,589	8/1968	Gertsen	74/471
3,625,083	12/1971	Bose	74/471
4,404,865	9/1983	Kim	74/471
4,533,830	8/1985	Beauprey	250/231
4,538,476	9/1985	Luque	74/471
4,562,347	12/1985	Hovey et al.	250/221
4,581,609	4/1986	Hosogoe et al.	340/710
4,786,892	11/1988	Kubo et al.	340/365
4,799,049	1/1989	Avila	340/709

4,801,931	1/1989	Schmidt	340/710
4,823,634	4/1989	Culver	74/471
4,862,165	8/1989	Gart	D14/114 X
4,913,387	4/1990	Tice	248/918
4,952,919	8/1990	Nippoldt	D14/114 X
5,008,528	4/1991	Duchon	250/221
5,122,654	6/1992	Koh et al.	D14/114 X
5,187,468	2/1993	Garthwaite et al.	340/709
5,252,970	10/1993	Baronosky	341/20
5,268,675	12/1993	Garthwaite et al.	345/163
5,281,958	1/1994	Ashmun et al.	345/157

FOREIGN PATENT DOCUMENTS

0509337A2	10/1992	European Pat. Off.	G06F 1/16
2154306	9/1985	United Kingdom	G05G 9/04

OTHER PUBLICATIONS

1990, "Roller Controller" CD-Interactive Pointing Device by Philips.
Krohn, Nico, "Two Prohance Trackballs Offer Easy Thumb Control," *Infoworld*, Oct. 1, 1990.
Lusty, Susan and Lincoln Spector, "Keyboards, Mice, and Trackballs With the Personal Touch," *PC World*, Jun. 1990, pp. 166-170.
Webster, Bruce F., "The Macintosh Portable," *MAC-WORLD*, Nov. 1989.

Primary Examiner—M. H. Tung
Attorney, Agent, or Firm—Seed and Berry LLP

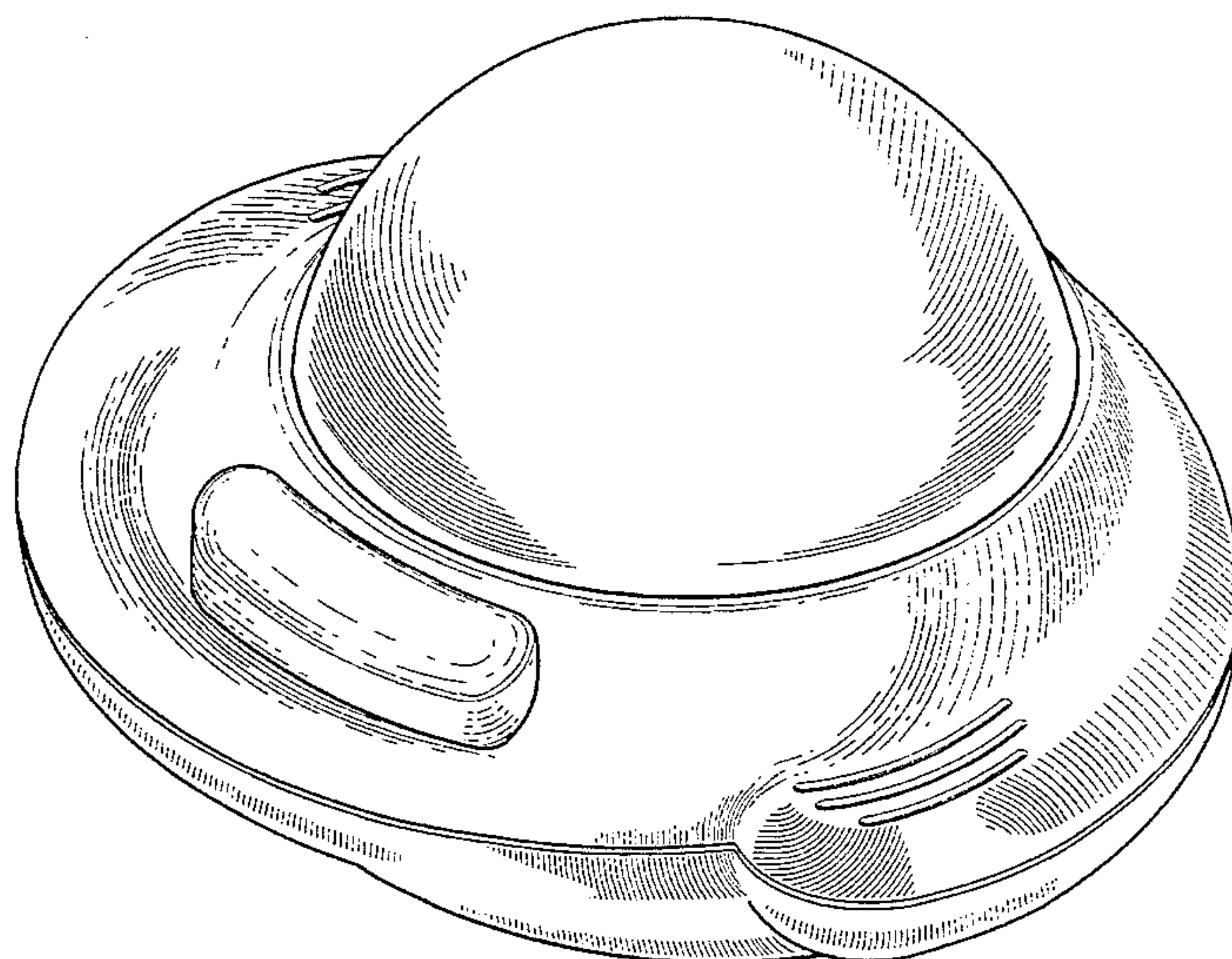
[57] CLAIM

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

DESCRIPTION

FIG. 1 is a front isometric view of a pointing device showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.

1 Claim, 7 Drawing Sheets



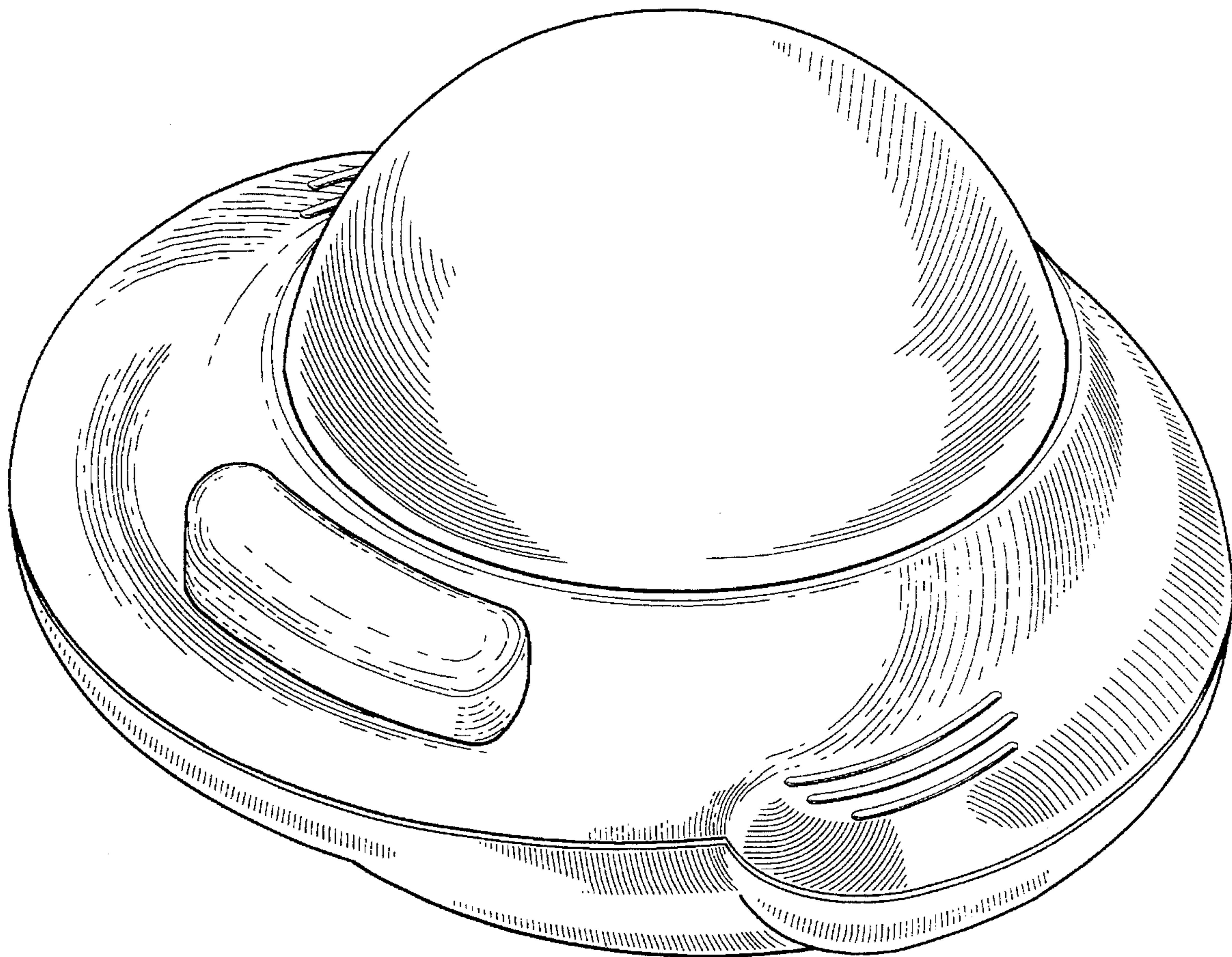


Fig. 1

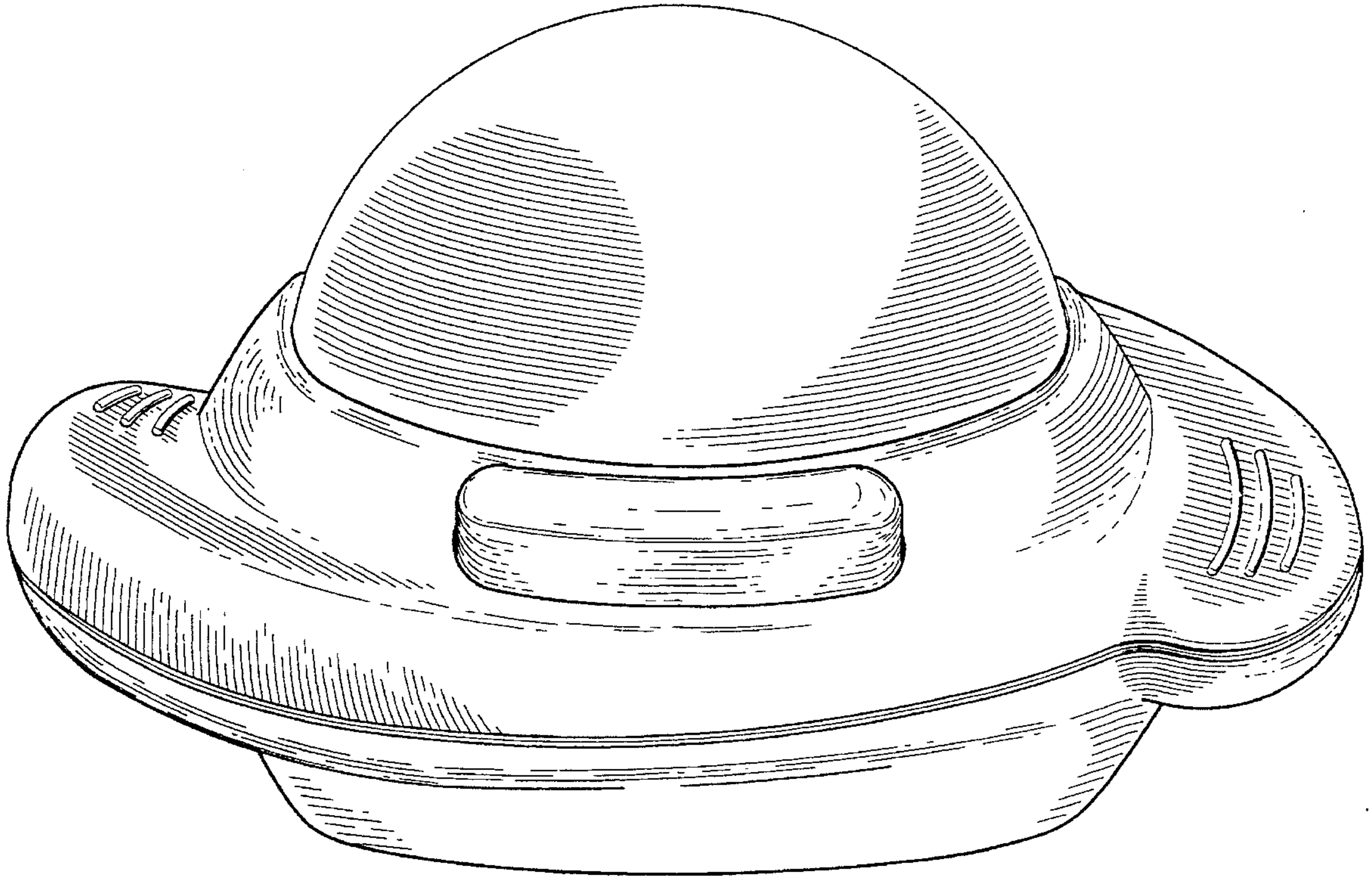


Fig. 2

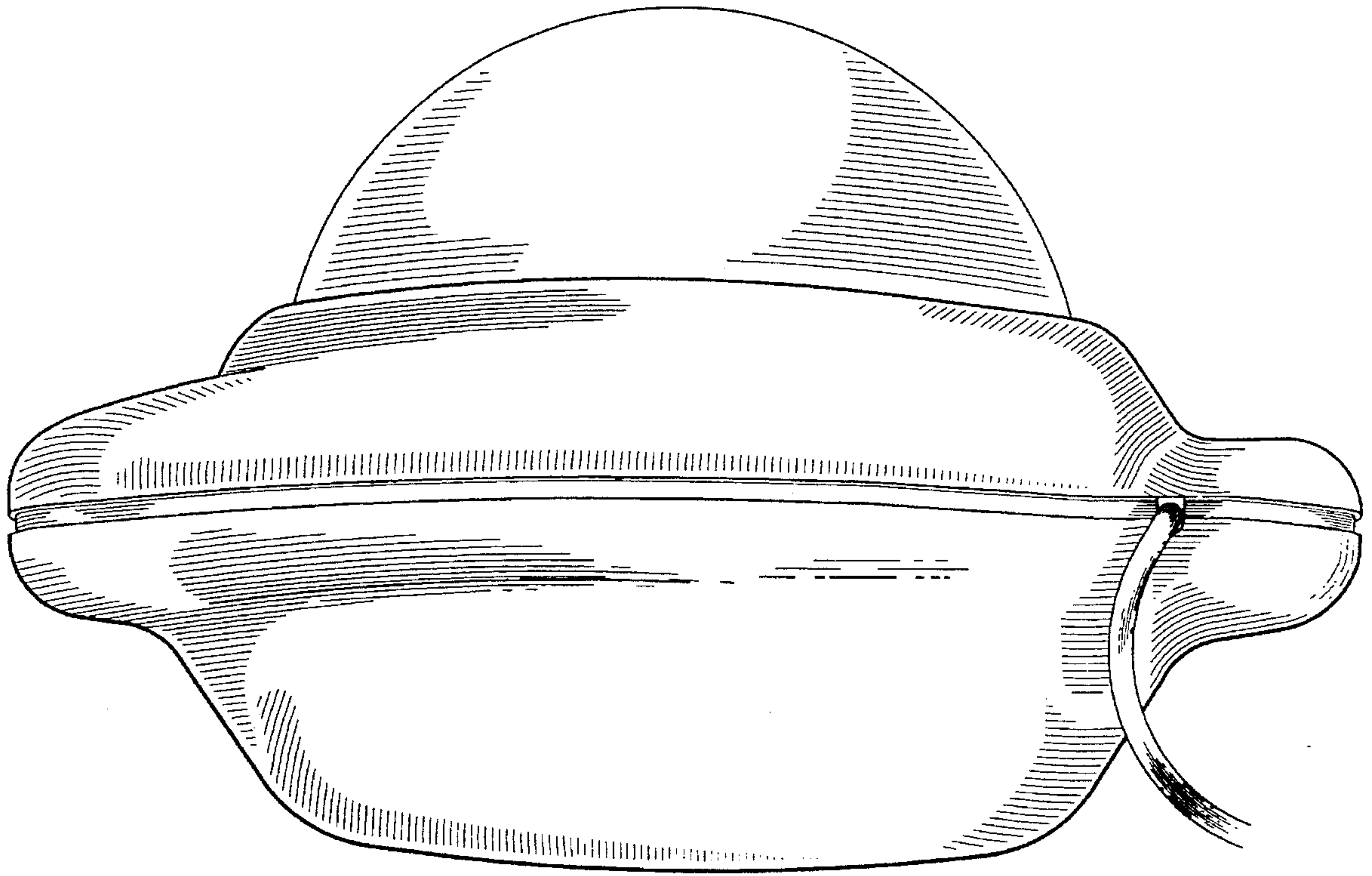


Fig. 3

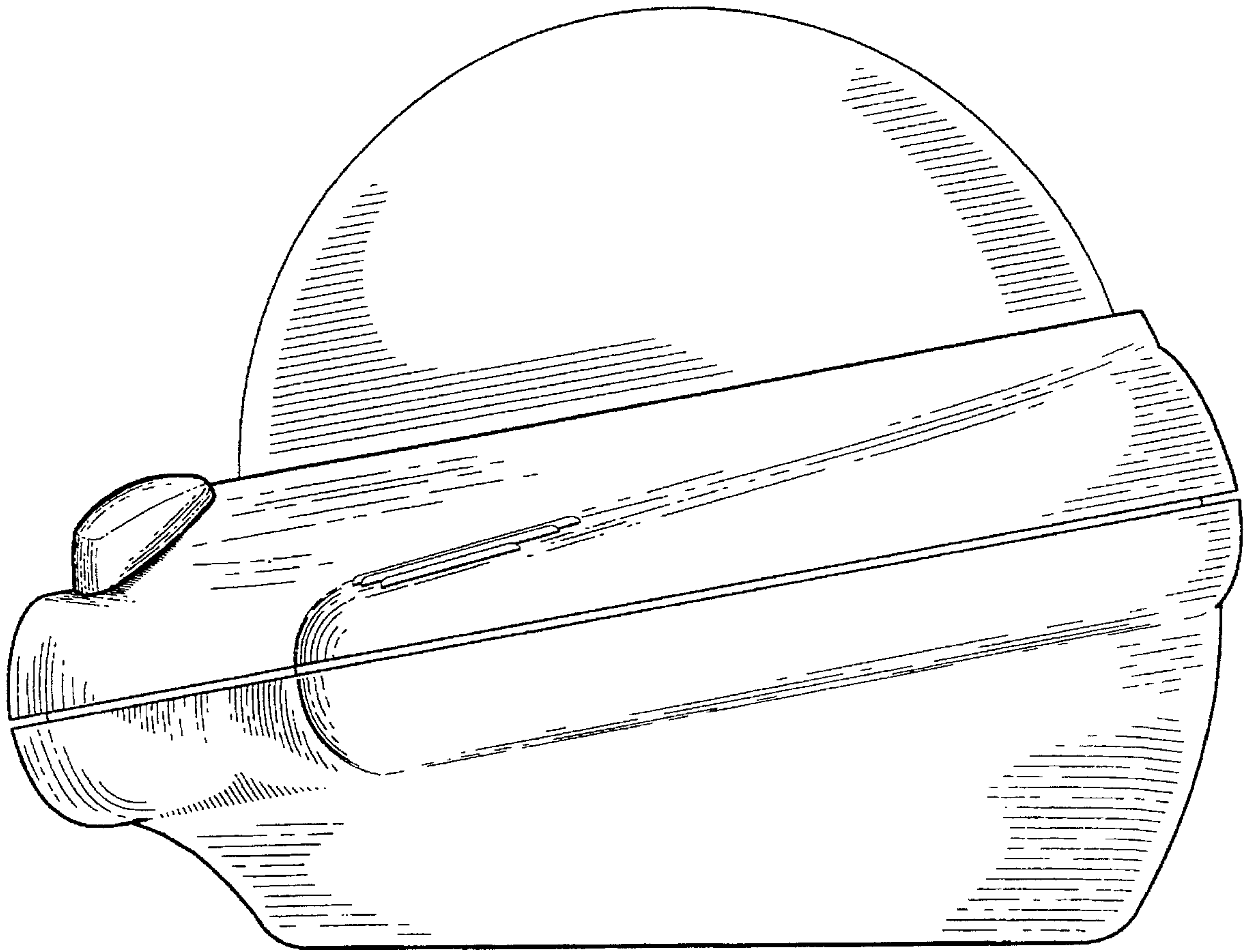


Fig. 4

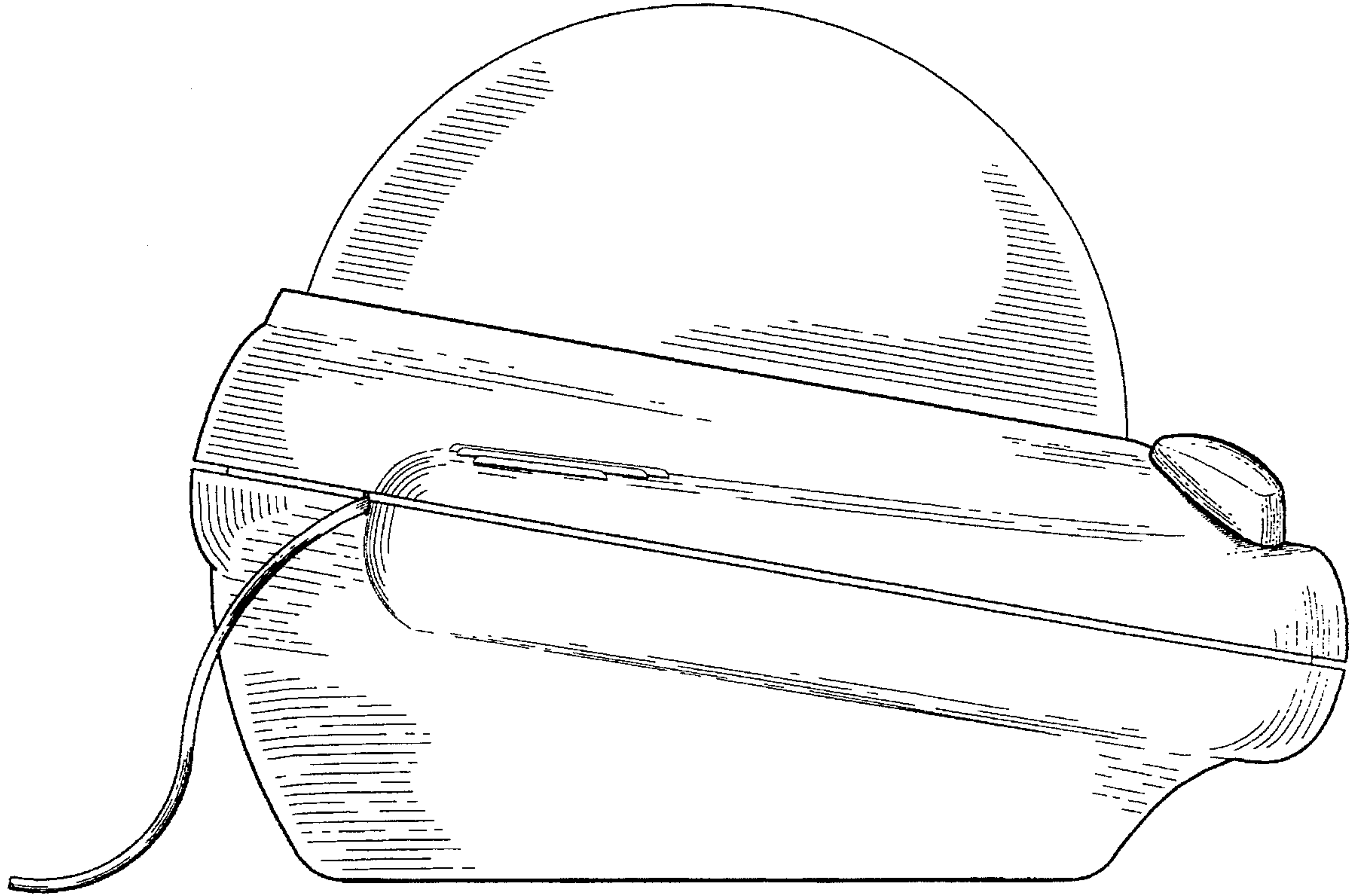


Fig. 5

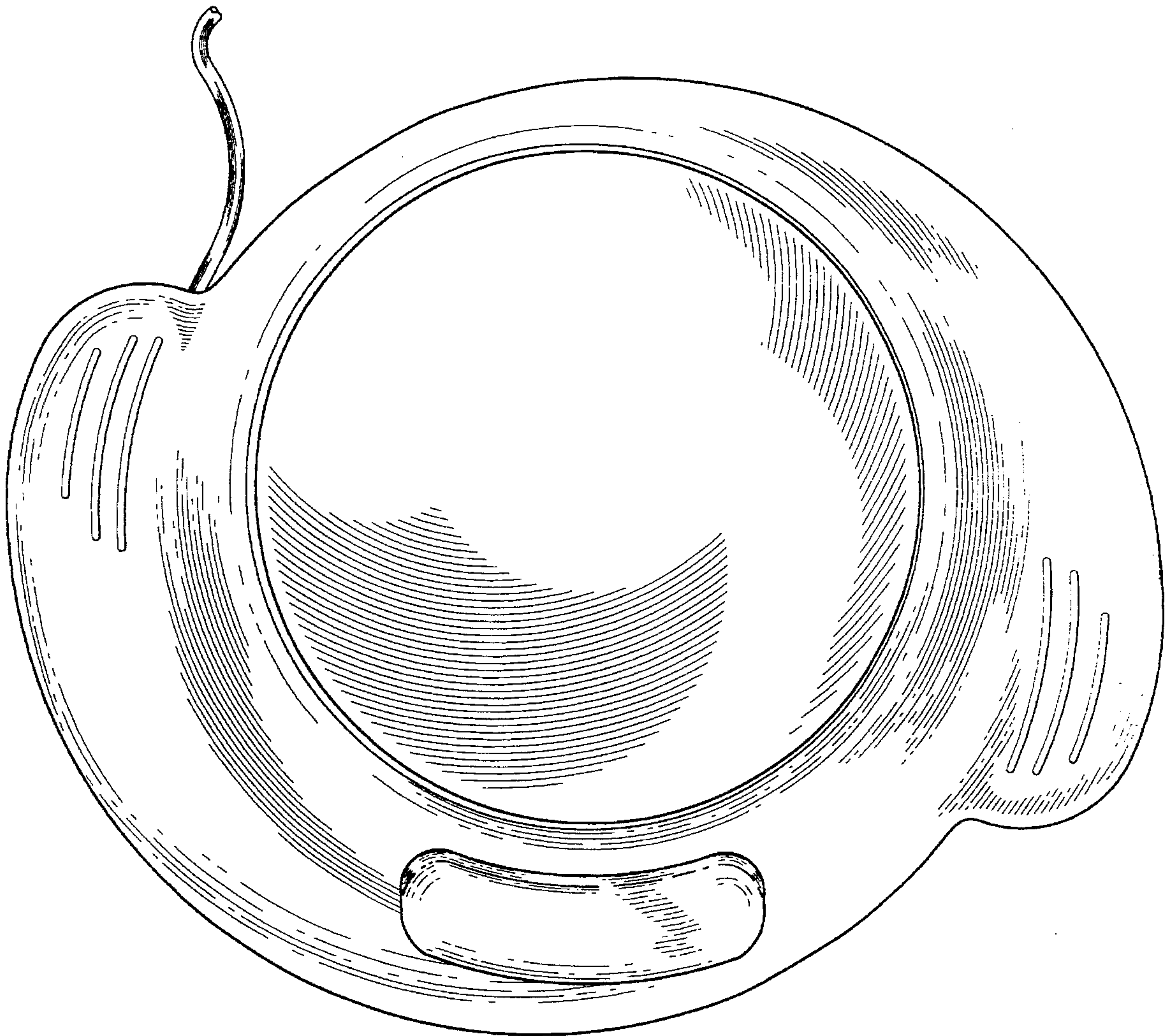


Fig. 6

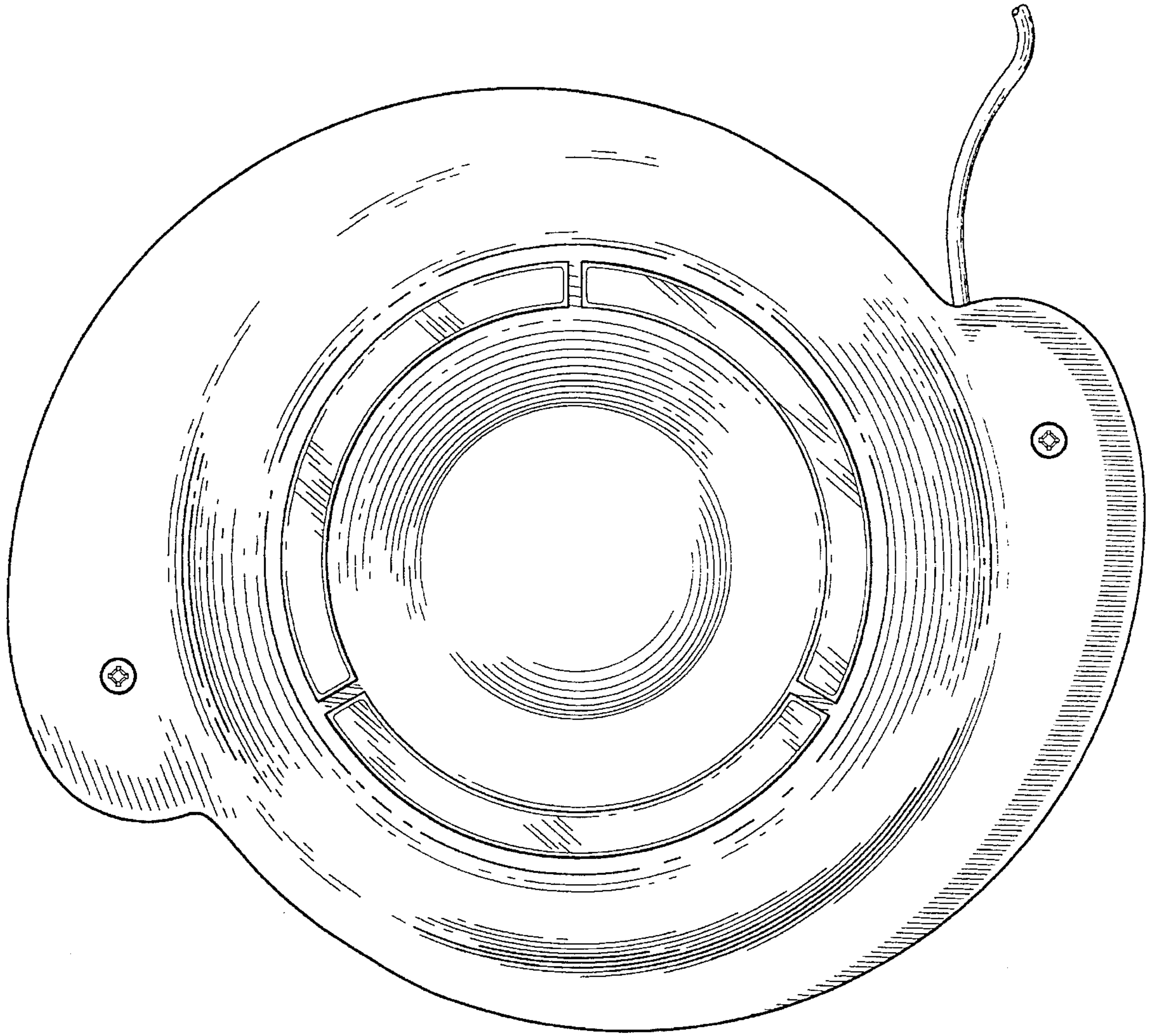


Fig. 7