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# (54) COMPACT FLUORESCENT LAMP GLASS TUBE

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(\*\*) Term: 14 Years

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(52) U.S. Cl. D26/3
(58) Field of Search D26/1, 2, 3, 4;
313/313, 315, 317, 318, 493, 497, 567,

569; 315/52, 56, 57, 58, 73

## (56) References Cited

#### U.S. PATENT DOCUMENTS

2,473,878	$\mathbf{A}$		6/1949	Greiner	
3,899,712	2 A		8/1975	Witting	
3,986,017	Α		10/1976	Kulle	
6,116,754	A		9/2000	Ocsovai et al.	
6,168,289	B1		1/2001	Shah	
6,204,602	B1		3/2001	Yang et al.	
6,296,375	B1		10/2001	Sung et al.	
6,400,098	B1		6/2002	Pun	
6,404,122	B1		6/2002	Lankhorst et al.	
D463,045	$\mathbf{S}$	*	9/2002	Foo	D26/3
D463,870	$\mathbf{S}$	*	10/2002	Foo	D26/3
D466,630	$\mathbf{S}$	*	12/2002	Bobel	D26/3
D469,549	$\mathbf{S}$	*	1/2003	Bobel	D26/3
2002/0149931	A1		10/2002	Chang	

#### OTHER PUBLICATIONS

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Normal Spiral CFL (T4), printed on May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Mini Spiral (T3), printed on May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Super Compact Spiral (HBI), printed on May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Full Spectrum Spiral CFLs, printed on May 5, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, 3 way Spiral, printed May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Spiral CFLs Dimmable, printed on May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Chimney Spiral, printed on May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, High Power Spiral CFLs, printed on May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Low Profile T4 Spiral, printed on May 1, 2002, 1 page.

World Wide Web, http://www.gfllighting.com/cgi-bin, GFL Lighting Co Ltd —Lighting Manufacturer, Detachable Spiral, printed on May 1, 2002, 1 page.

Self-Ballasted Lamps, Xiamen Longstar Lighting Co, Ltd., China, 14 pages.

\* cited by examiner

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# (57) CLAIM

I claim the ornamental design of a compact fluorescent lamp glass tube, as shown and described.

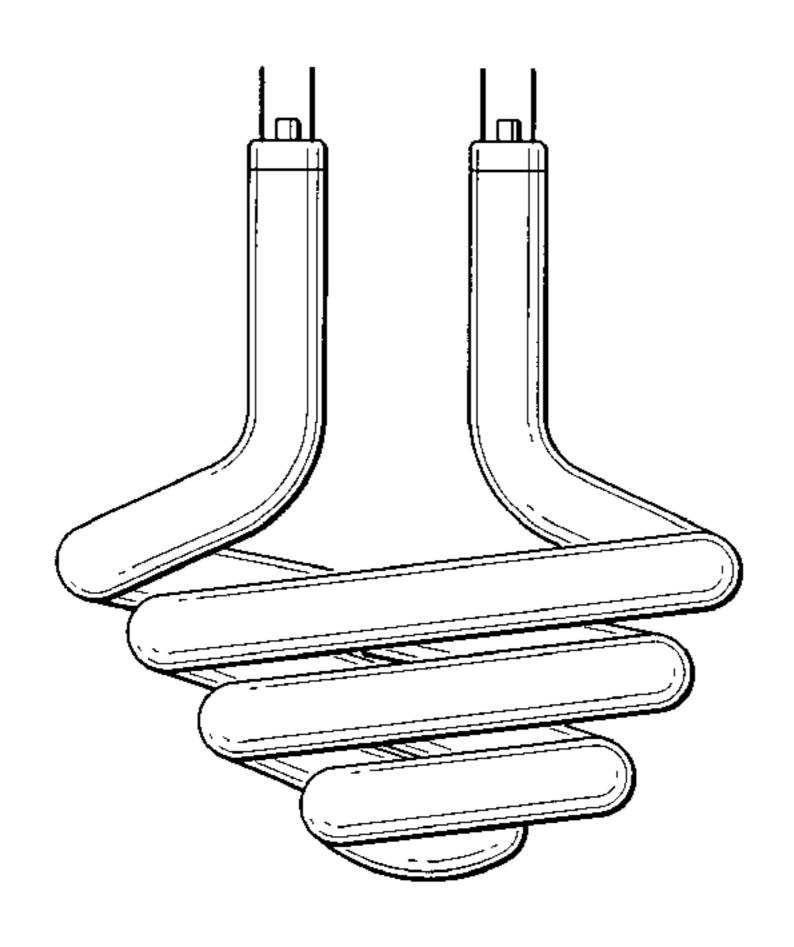
# **DESCRIPTION**

FIG. 1 is a front elevational view showing my design of a compact fluorescent lamp glass tube;

FIG. 2 is a side elevational view showing my design of the compact fluorescent lamp glass tube, the opposite side being the same;

FIG. 3 is a plan view showing the bottom of my design of the compact fluorescent lamp glass tube;

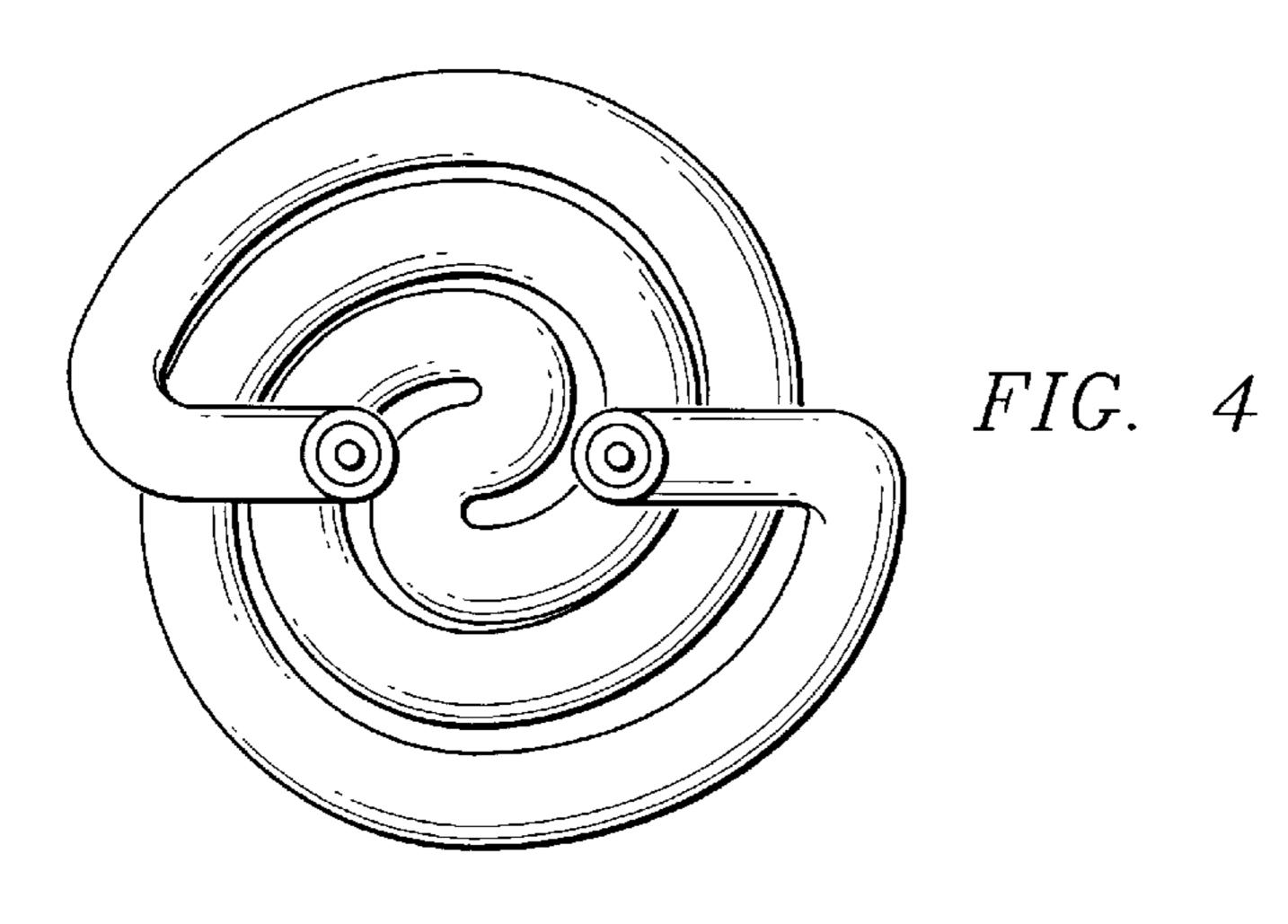
FIG. 4 is a plan view showing the top of my design of the compact fluorescent lamp glass tube;

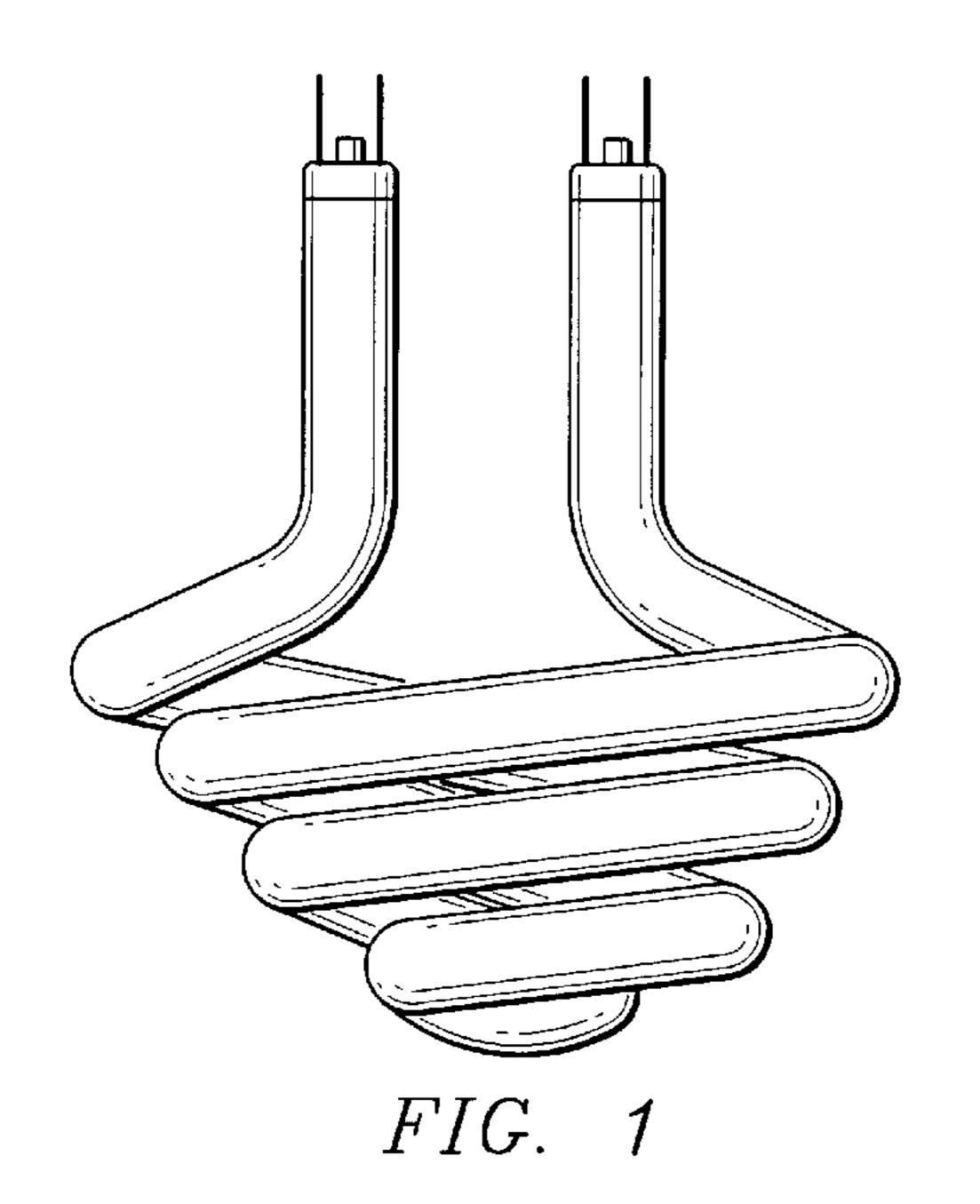


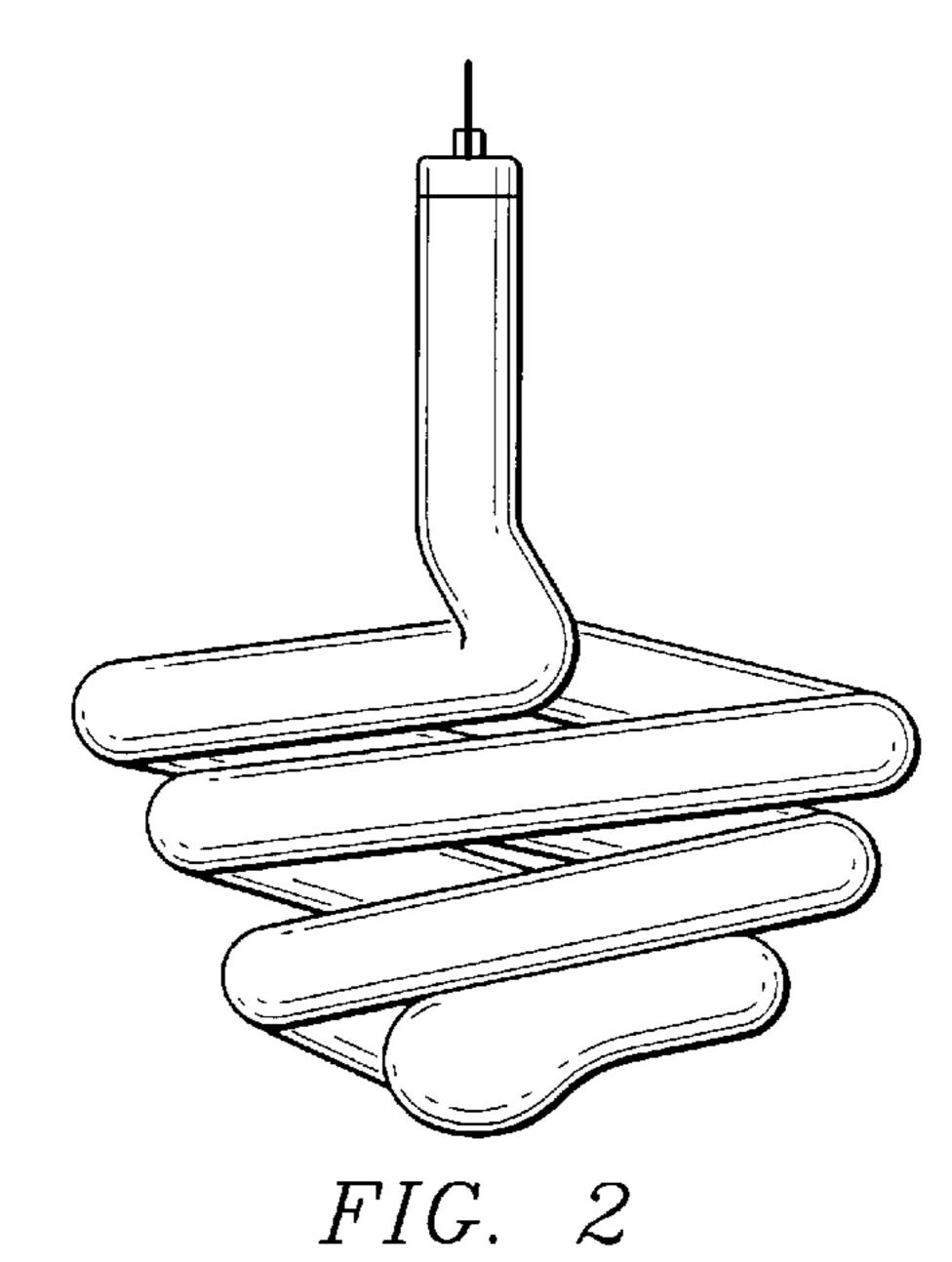
- FIG. 5 is another front elevational view showing my design of the compact fluorescent lamp glass tube with a ballast;
- FIG. 6 is yet another front elevational view showing my design of the compact fluorescent lamp glass tube with a ballast and a reflector;
- FIG. 7 is a front elevational view showing my design of a compact fluorescent lamp glass tube with two loops;
- FIG. 8 is another front elevational view showing my design of the compact fluorescent lamp glass tube with two loops and a ballast;
- FIG. 9 is yet another front elevational view showing my design of the compact fluorescent lamp glass tube with two loops, a ballast and a reflector;
- FIG. 10 is a front elevational view showing my design of a compact fluorescent lamp glass tube with two loops and a gap between the loops;
- FIG. 11 is another front elevational view showing my design of the compact fluorescent lamp glass tube with two loops, a ballast and a gap between the loops;
- FIG. 12 is a front elevational view showing my design of a compact fluorescent lamp glass tube with two loops;
- FIG. 13 is another front elevational view showing my design of the compact fluorescent lamp glass tube with two loops and a ballast;
- FIG. 14 is a front elevational view showing my design of a compact fluorescent lamp glass tube with two loops and a gap between the loops;
- FIG. 15 is another front elevational view showing my design of the compact fluorescent lamp glass tube with two loops, a ballast and a gap between the loops;
- FIG. 16 is a front elevational view showing my design of a compact fluorescent lamp glass tube with a single loop;
- FIG. 17 is another front elevational view showing my design of the compact fluorescent lamp glass with a single loop and a ballast;
- FIG. 18 is a front elevational view showing my design of a compact fluorescent lamp glass tube with a single loop;

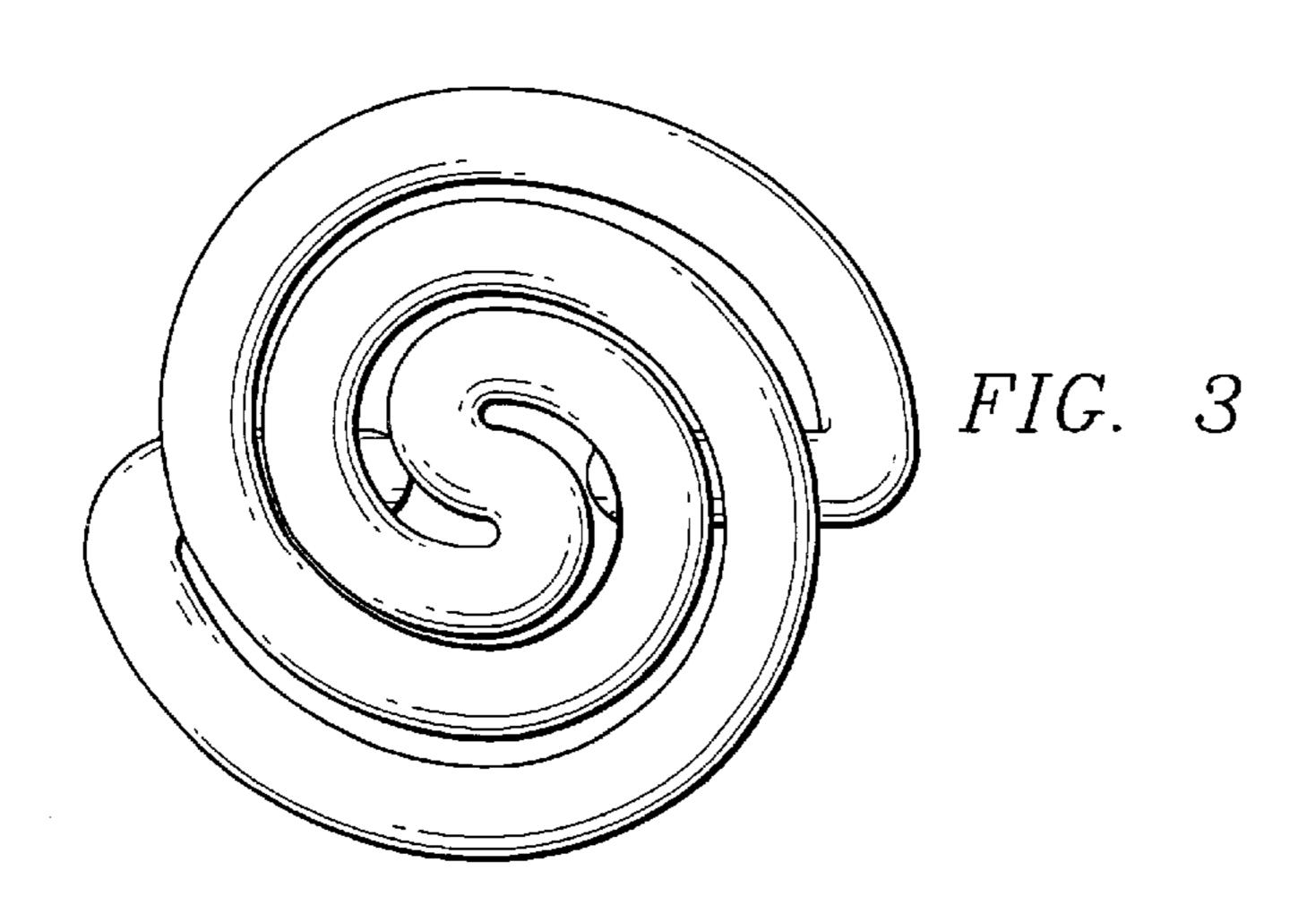
- FIG. 19 is another front elevational view showing my design of the compact fluorescent lamp glass tube with a single loop and a ballast;
- FIG. 20 is a front elevational view showing my design of a compact fluorescent lamp glass tube with three loops;
- FIG. 21 is another front elevational view showing my design of the compact fluorescent lamp glass tube with three loops and a ballast;
- FIG. 22 is a front elevational view showing my design of a compact fluorescent lamp glass tube with three loops and a gap between the loops;
- FIG. 23 is another front elevational view showing my design of the compact fluorescent lamp glass tube with three loops, a ballast and a gap between the loops;
- FIG. 24 is a front elevational view showing my design of a compact fluorescent lamp glass tube with three loops;
- FIG. 25 is another front elevational view showing my design of the compact fluorescent lamp glass tube with three loops and a ballast;
- FIG. 26 is a front elevational view showing my design of a compact fluorescent lamp glass tube with four loops;
- FIG. 27 is another front elevational view showing my design of the compact fluorescent lamp glass tube with four loops and a ballast;
- FIG. 28 is a front elevational view showing my design of a compact fluorescent lamp glass tube with four loops and a gap between the loops; and,
- FIG. 29 is another front elevational view showing my design of the compact fluorescent lamp glass tube with four loops, a ballast and a gap between the loops.
- The broken line showing of environmental structure in FIGS. 5, 6, 8, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27 and 29 is for illustrative purposes only and forms no part of the claimed design.

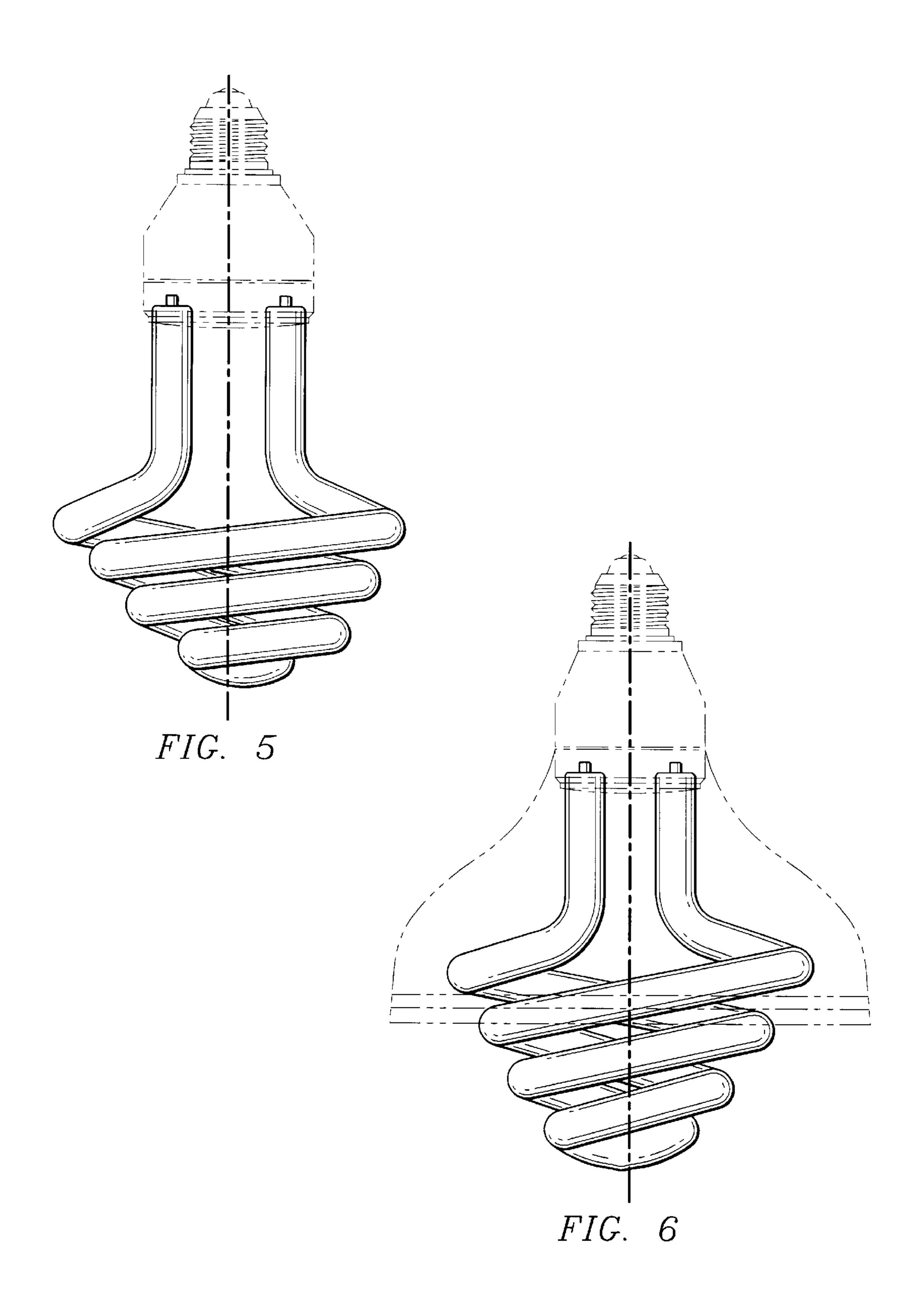
### 1 Claim, 8 Drawing Sheets

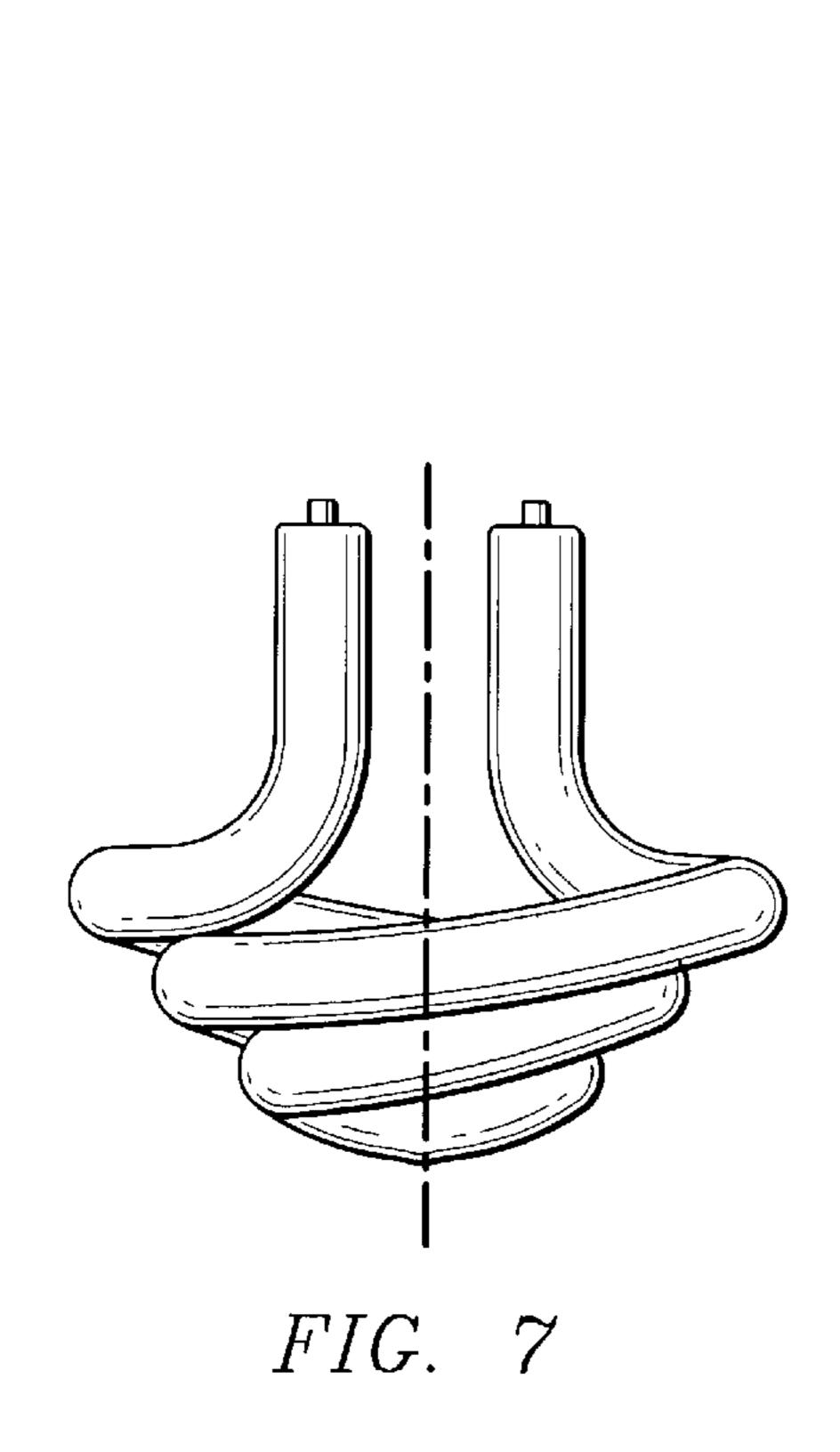


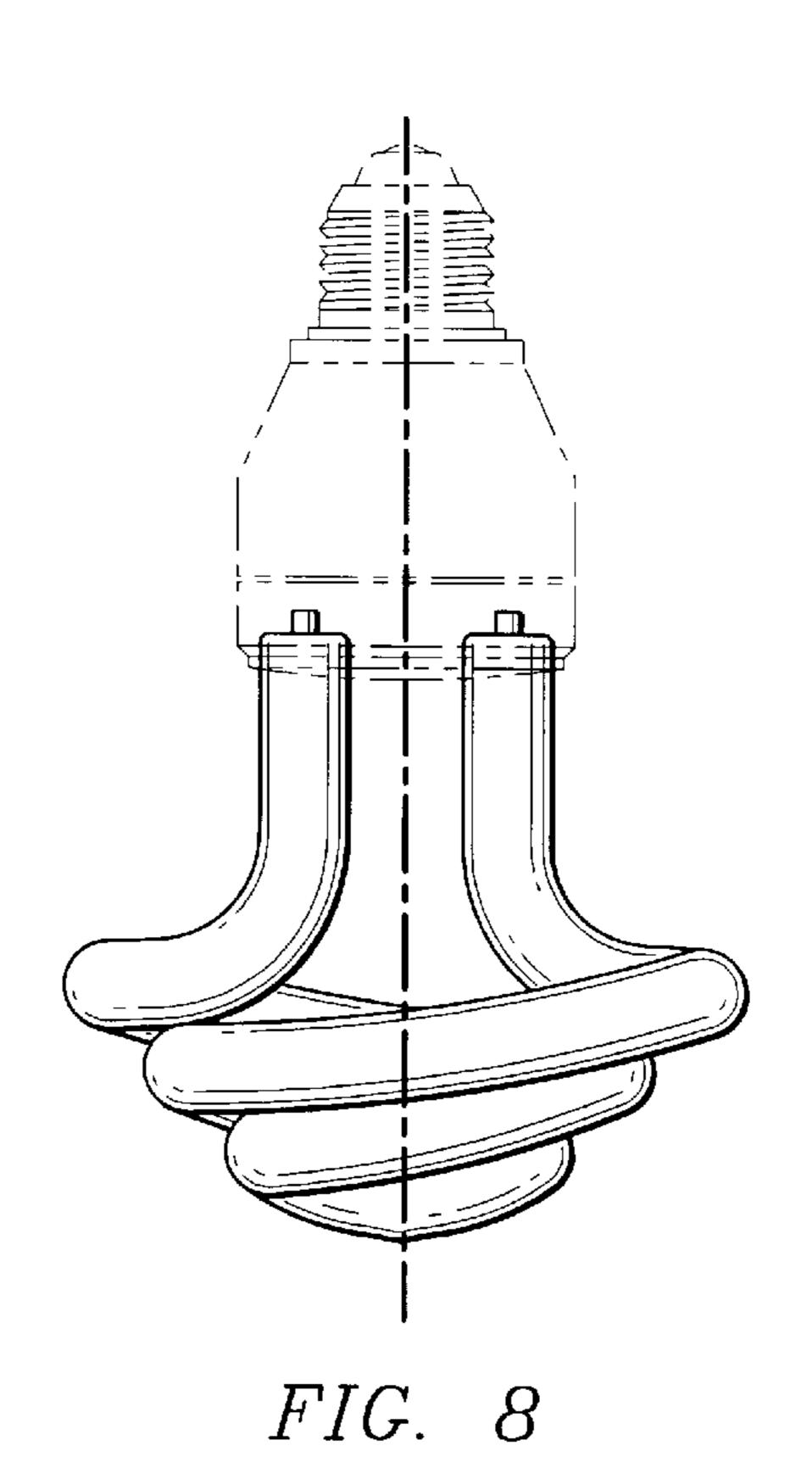


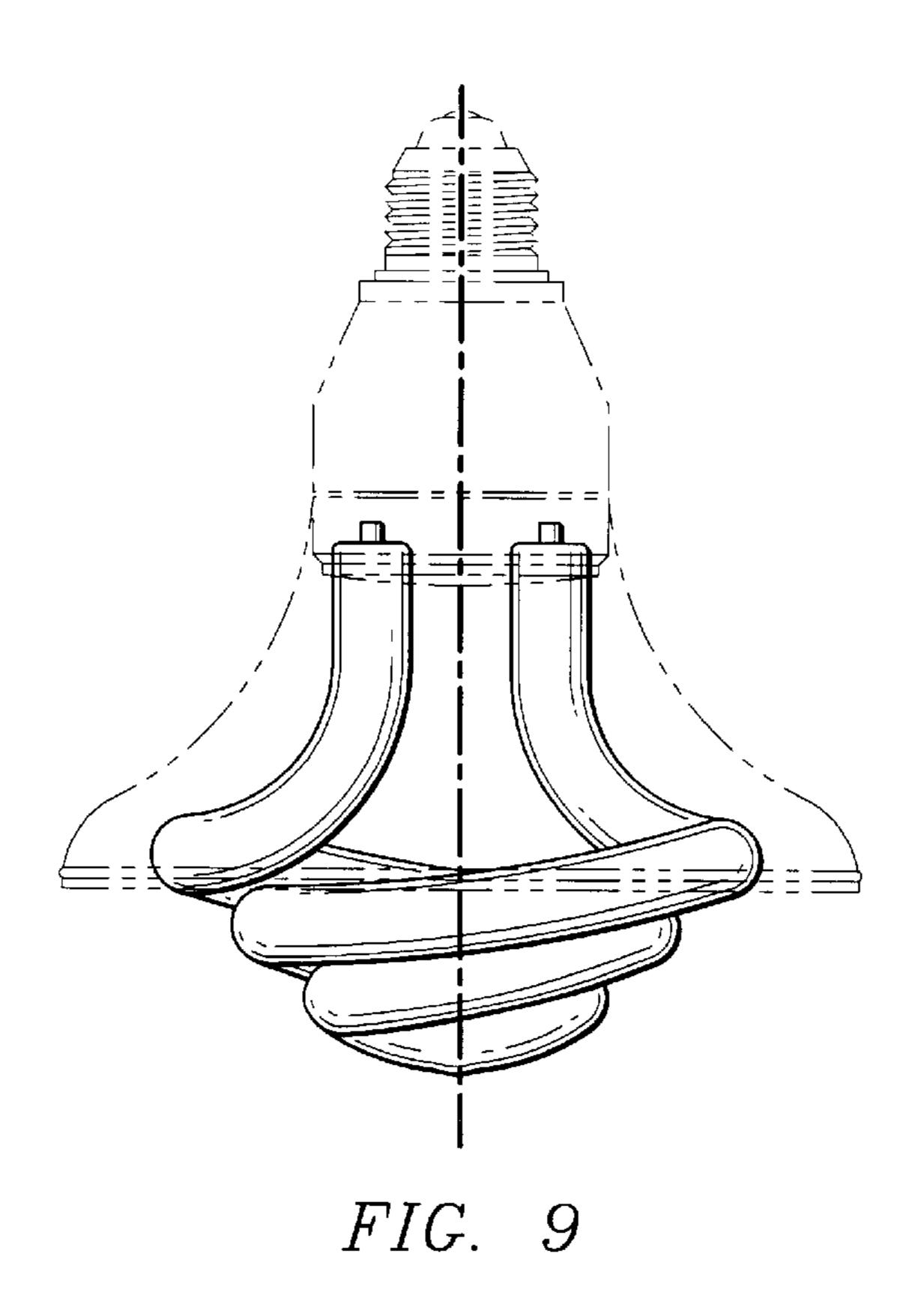


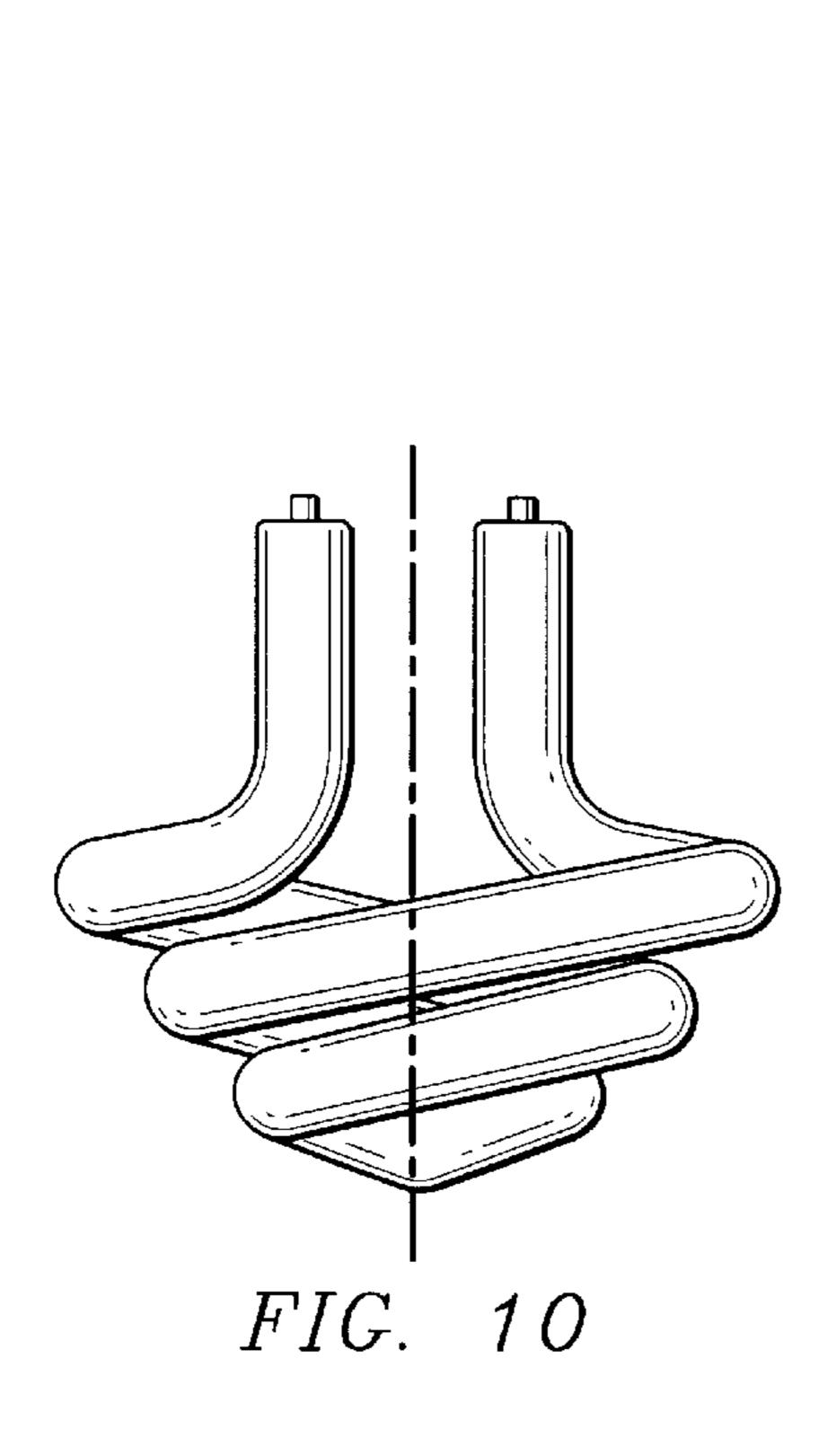


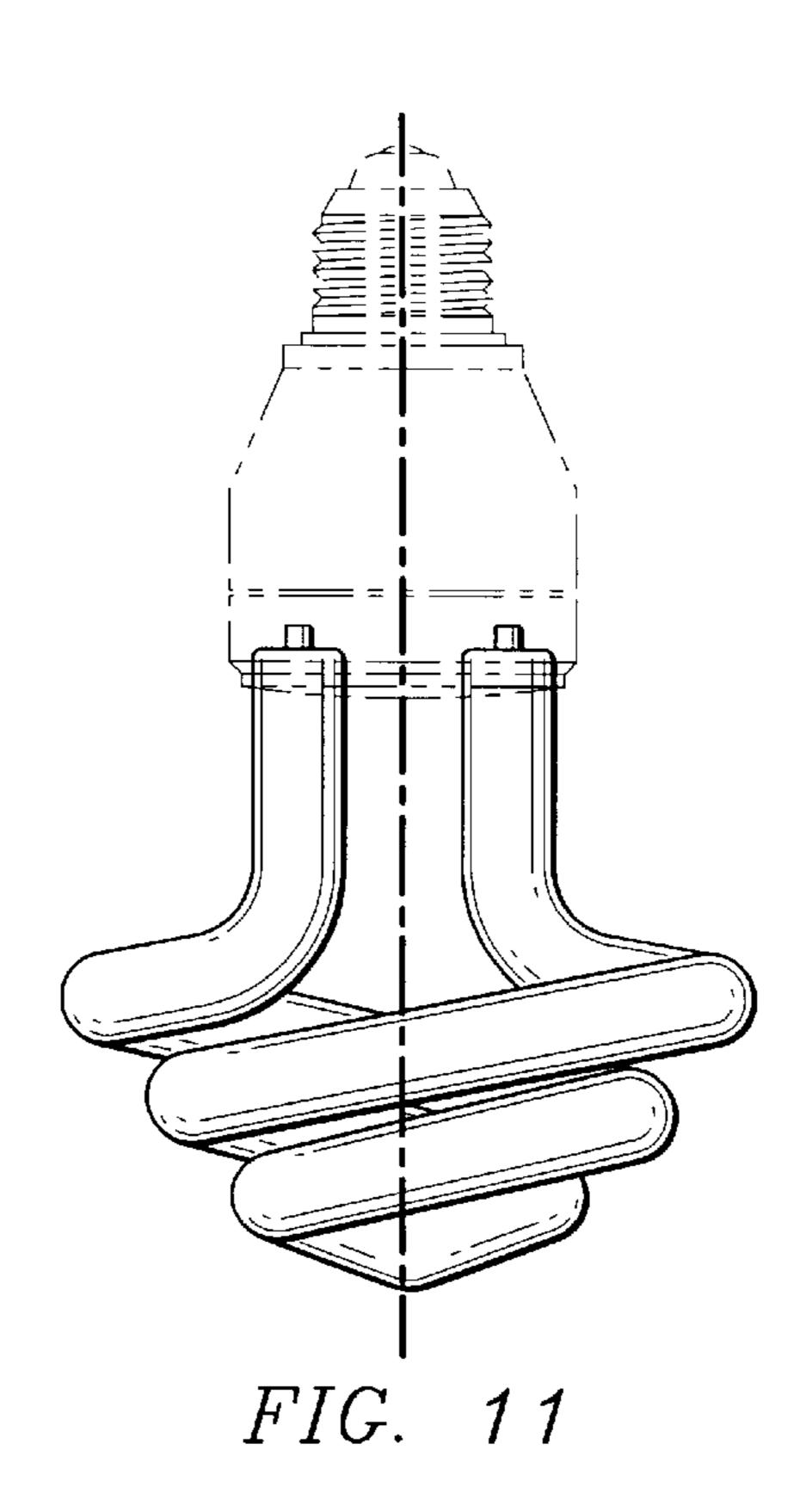


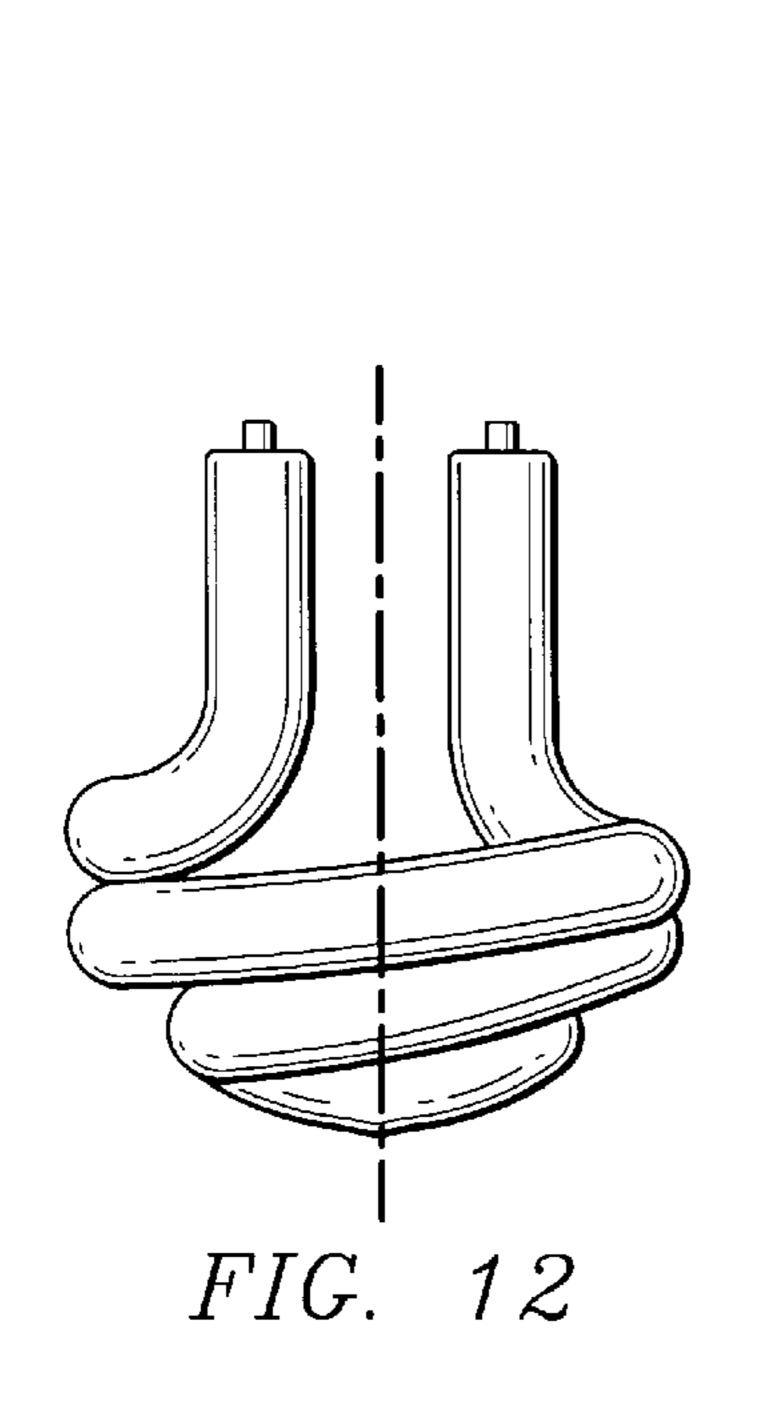


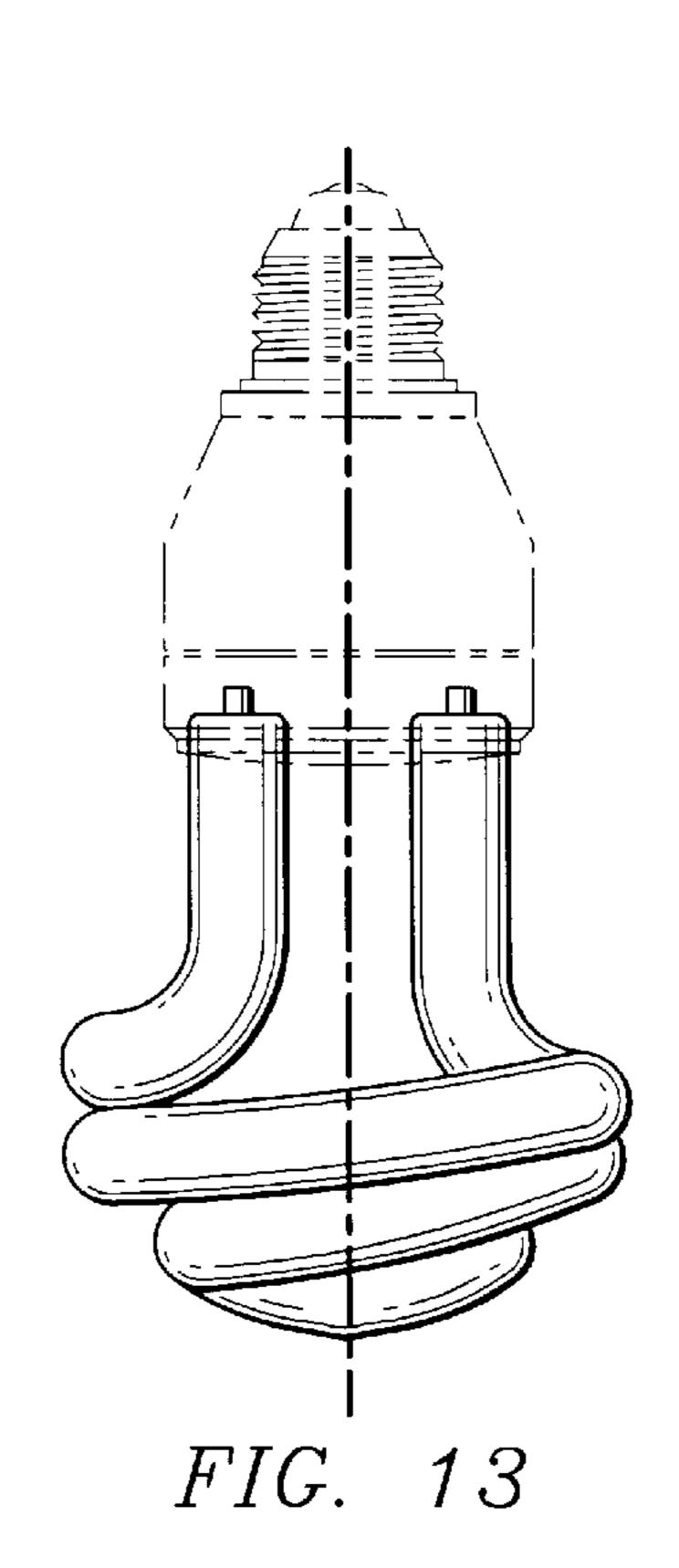


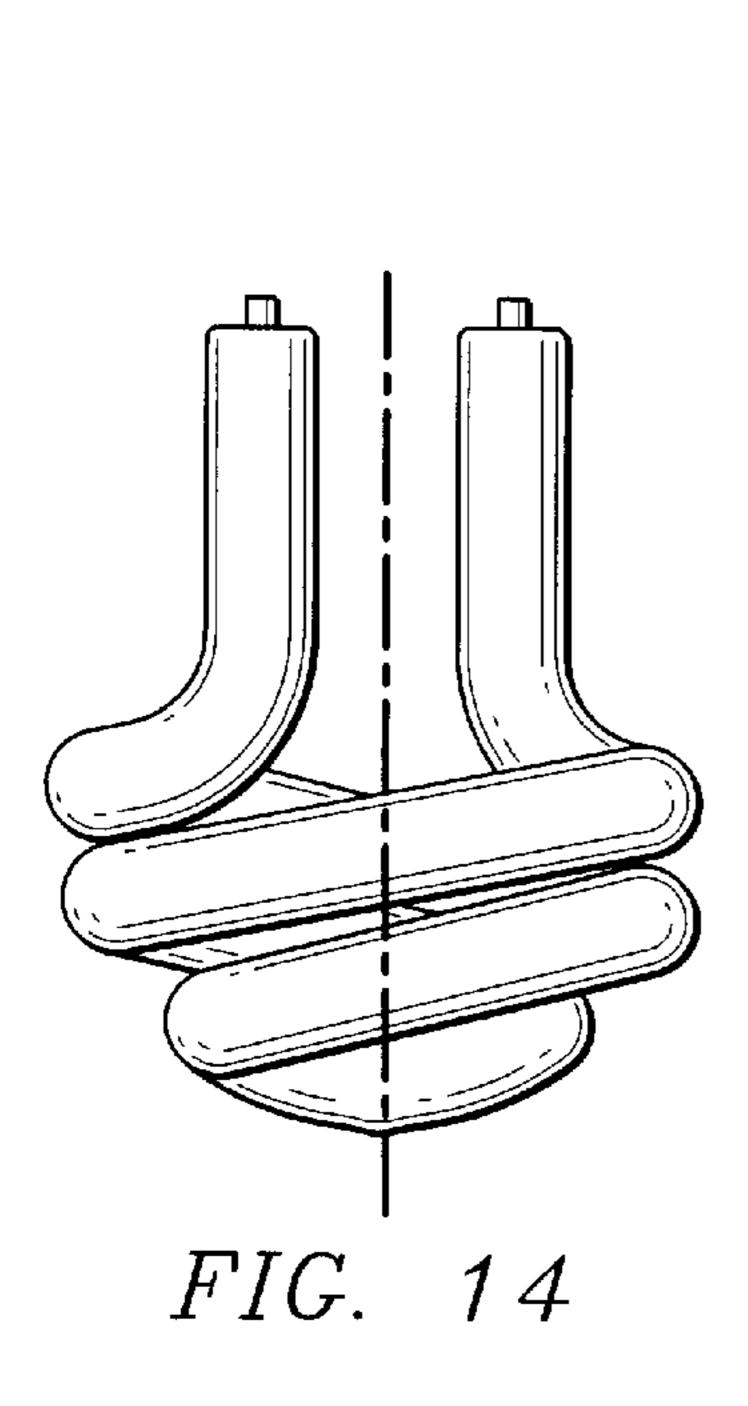


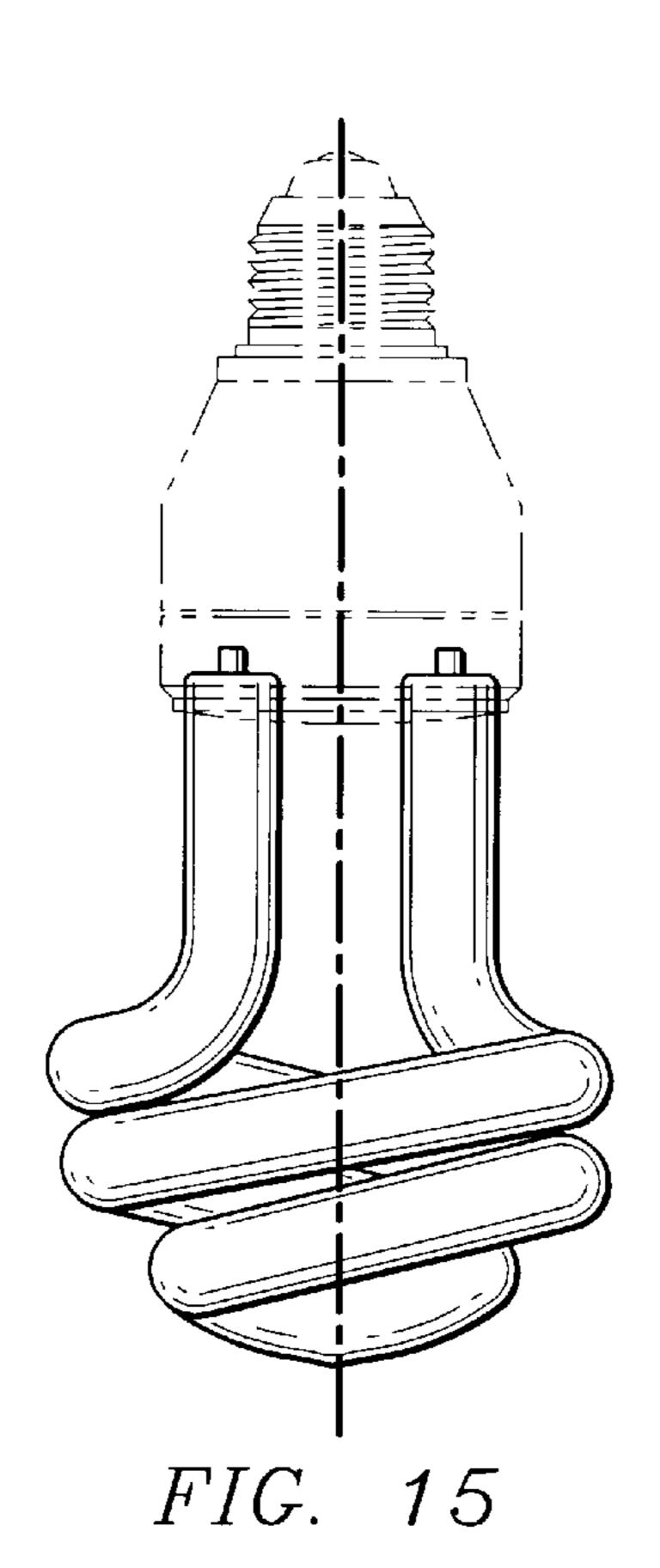


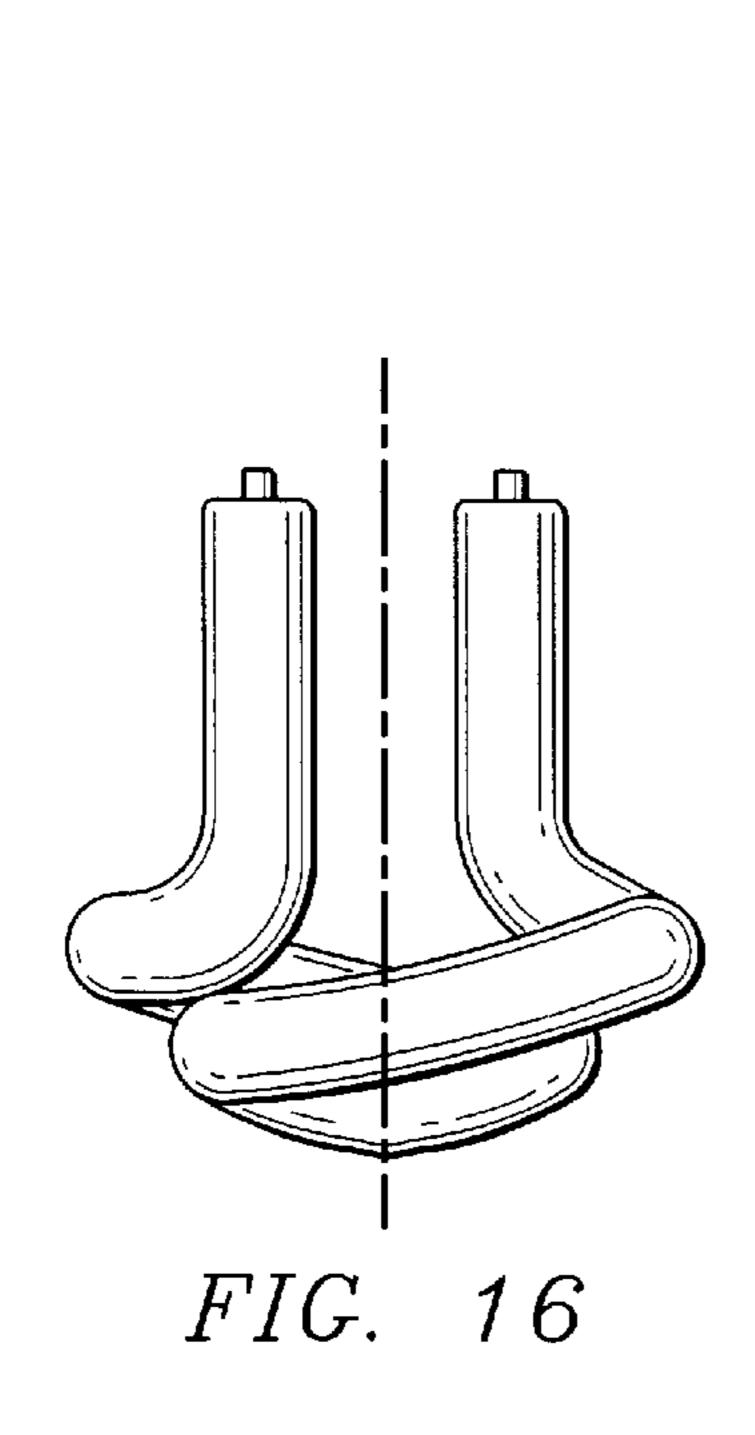


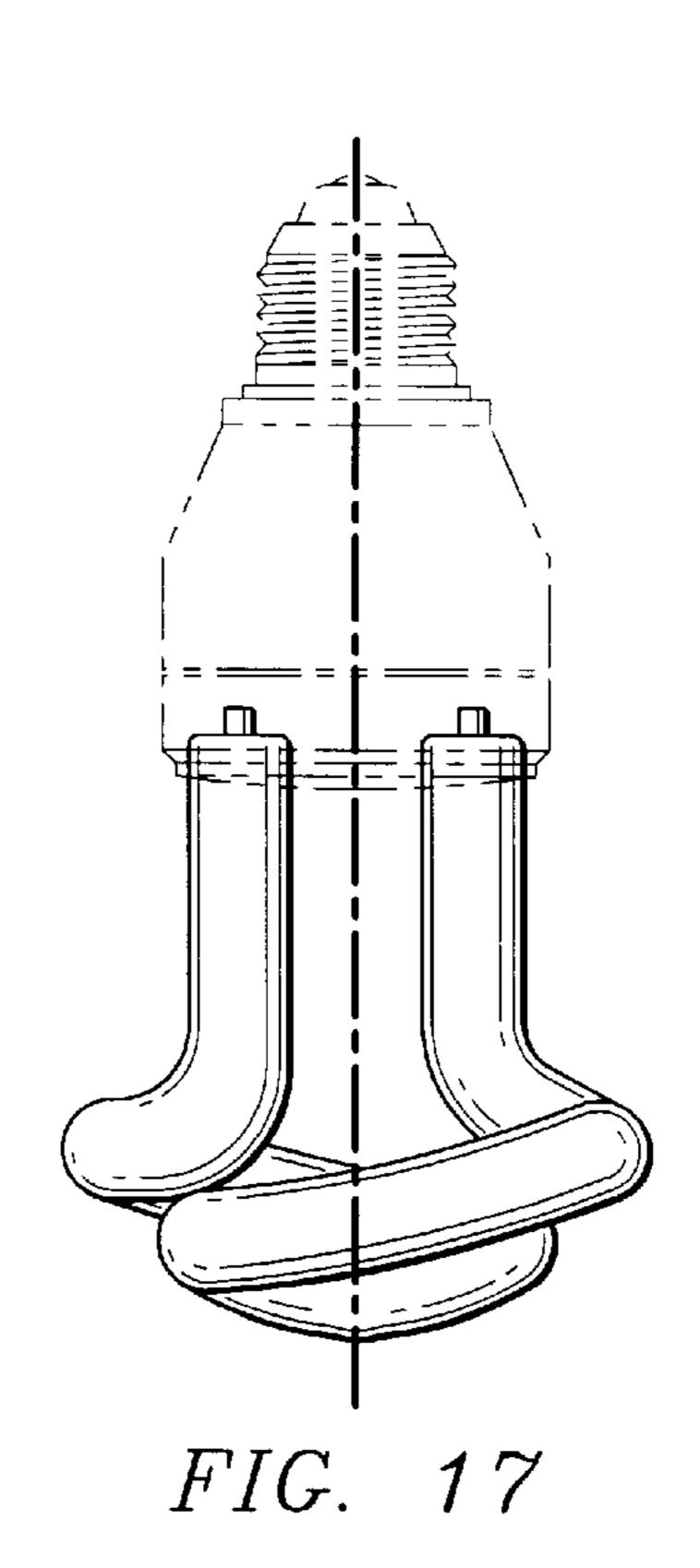


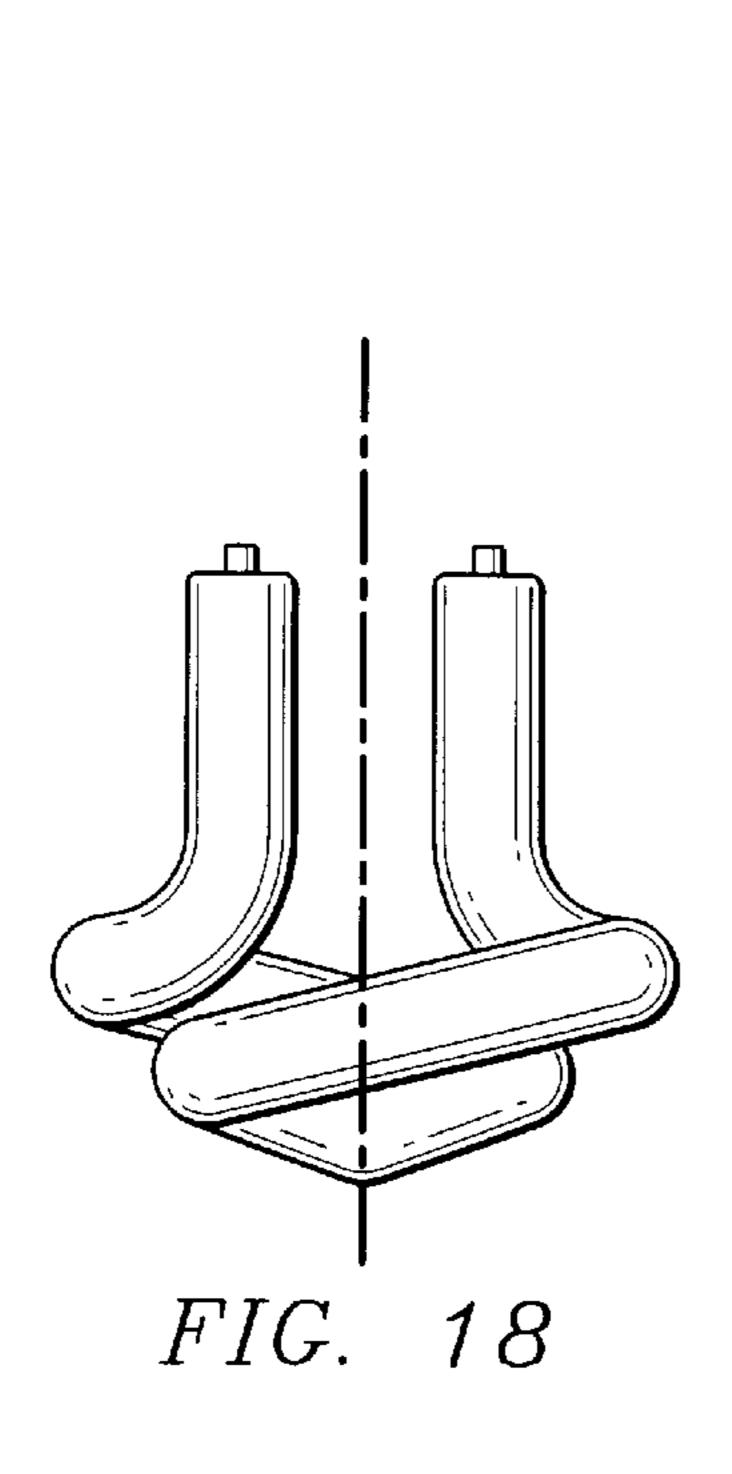


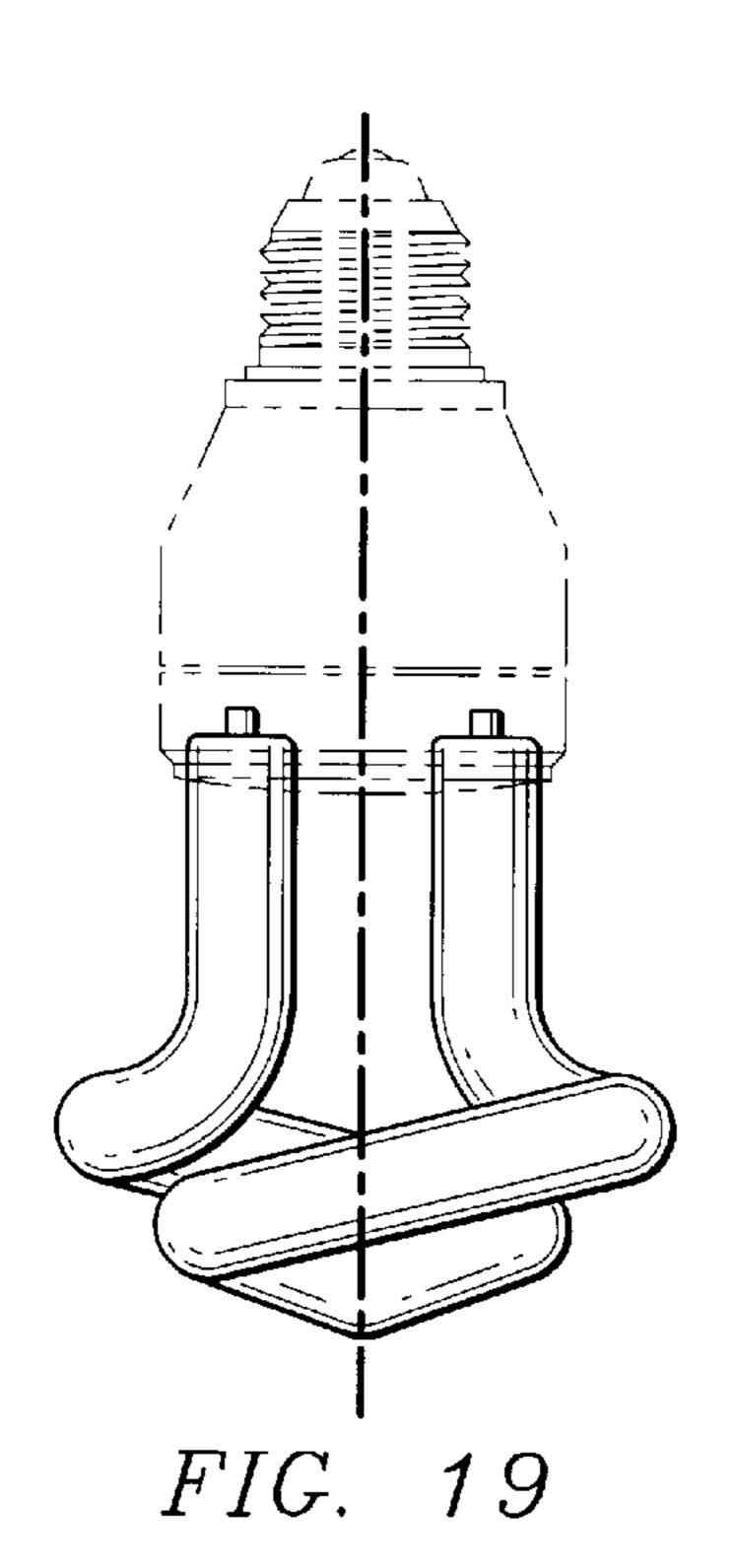


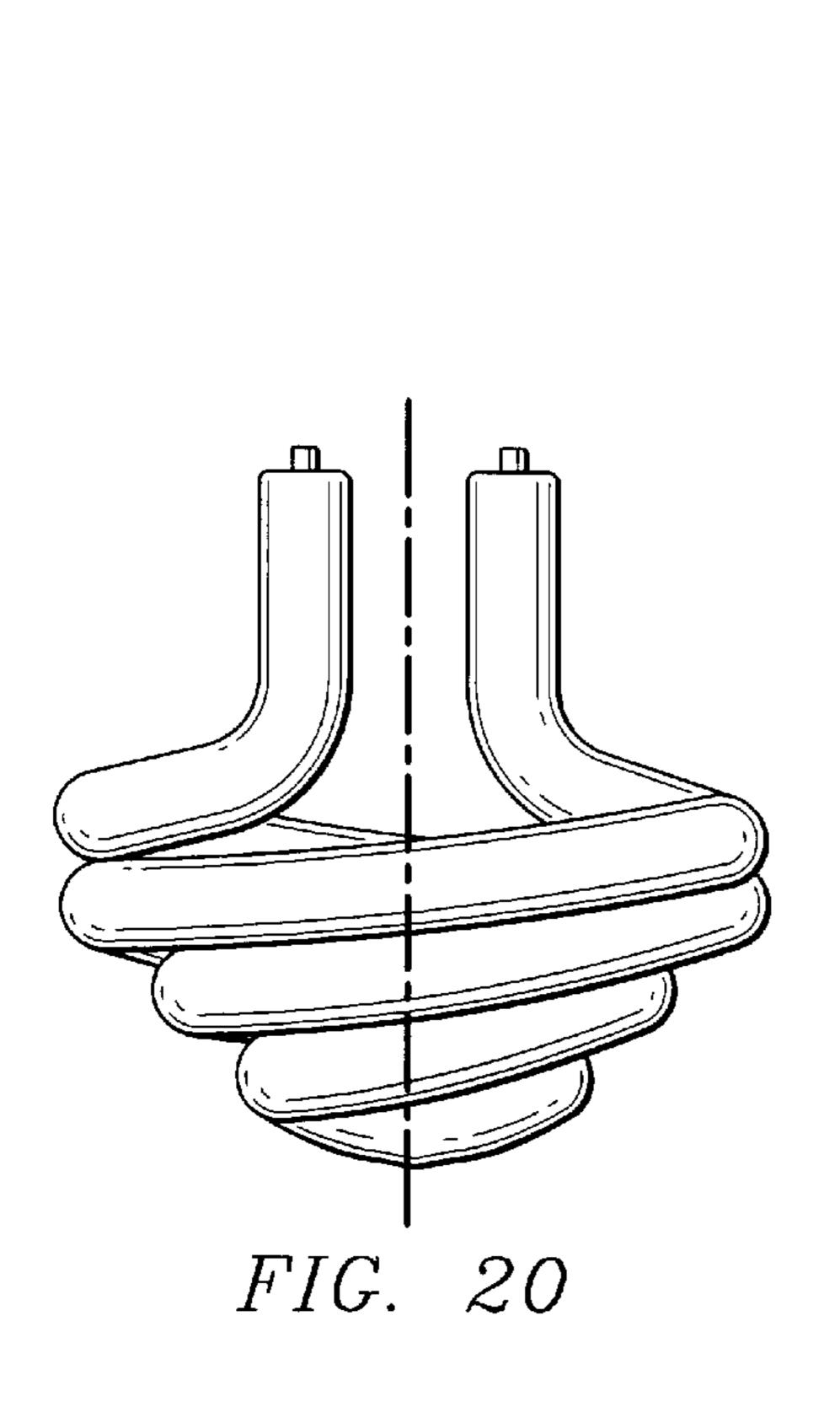


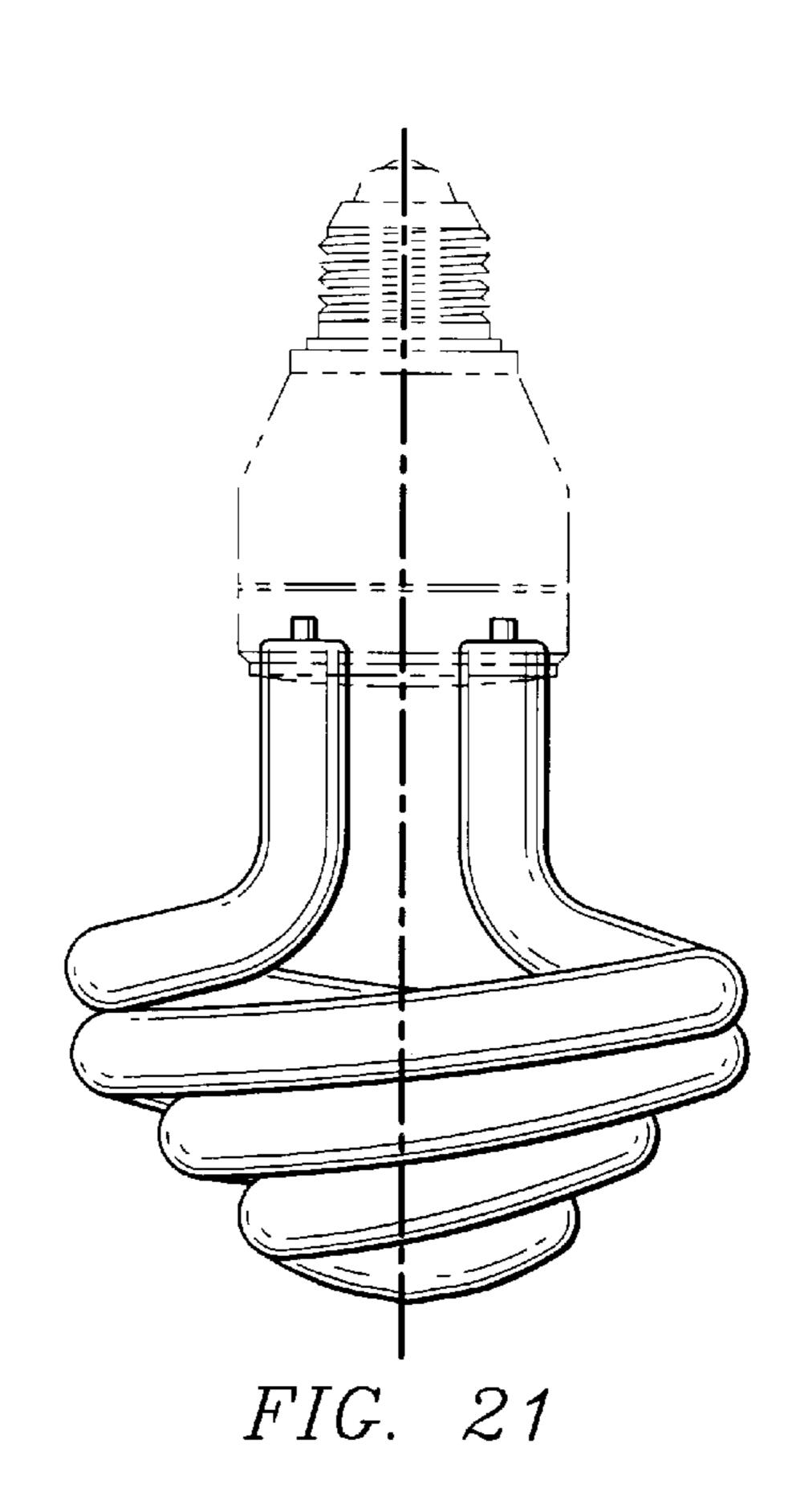


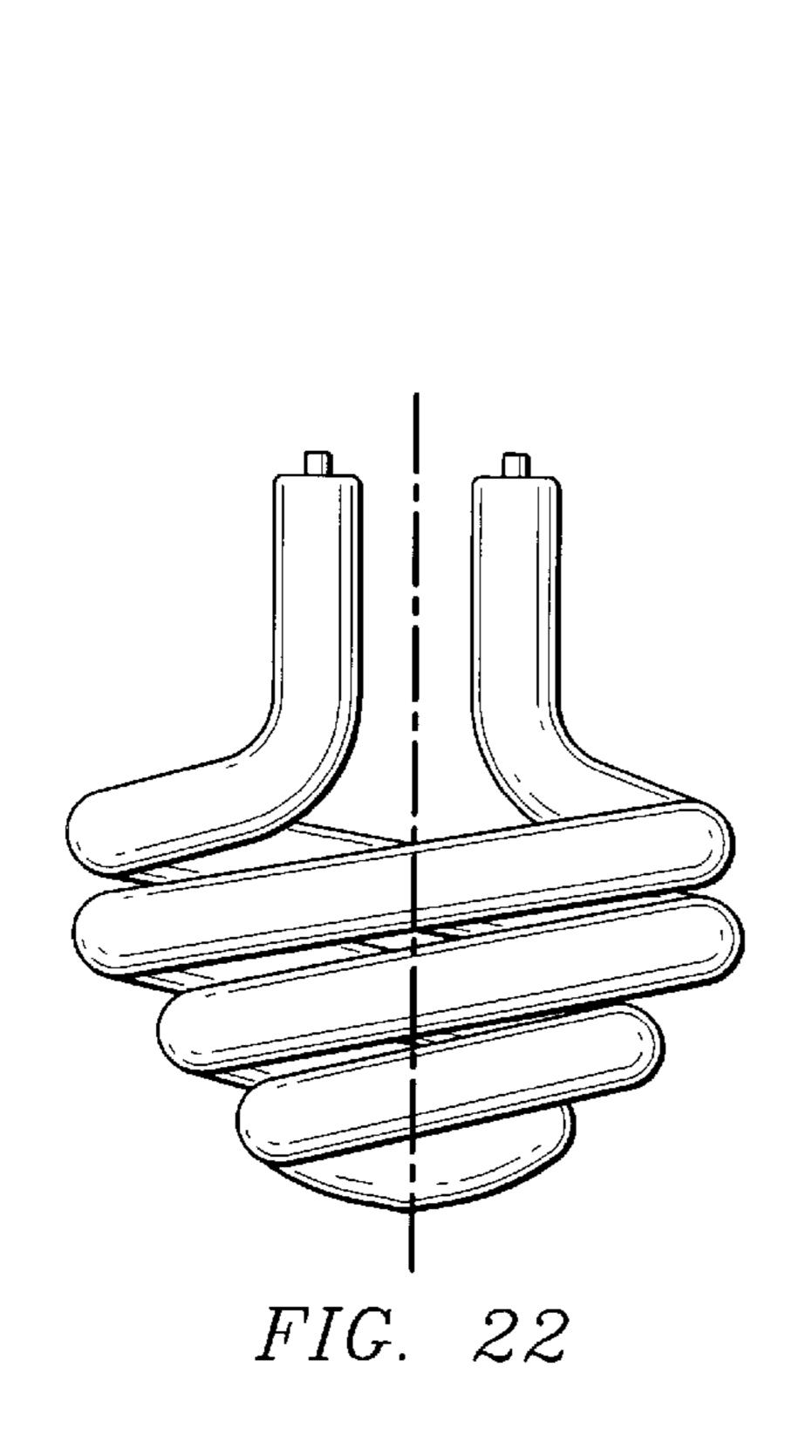


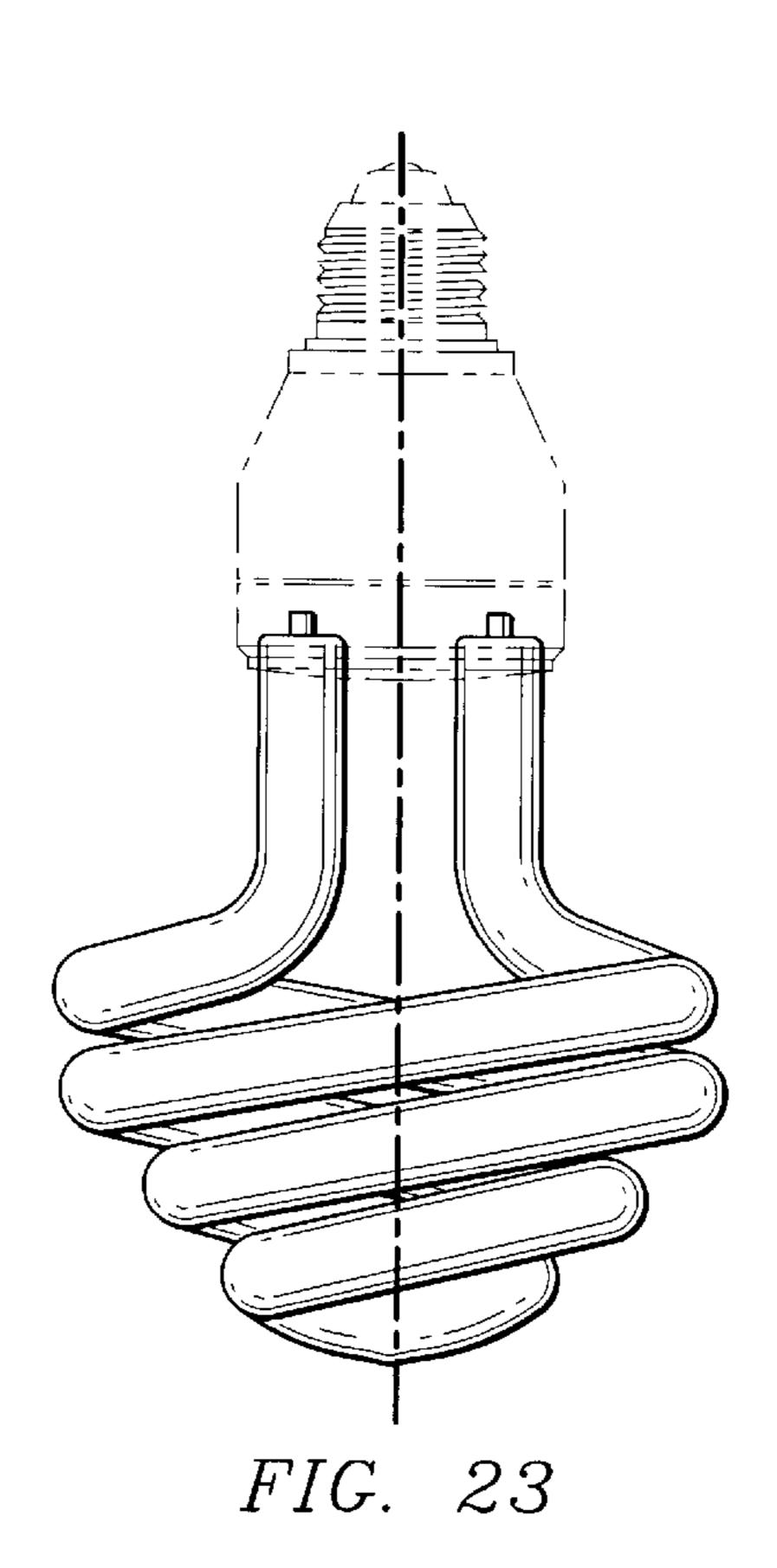


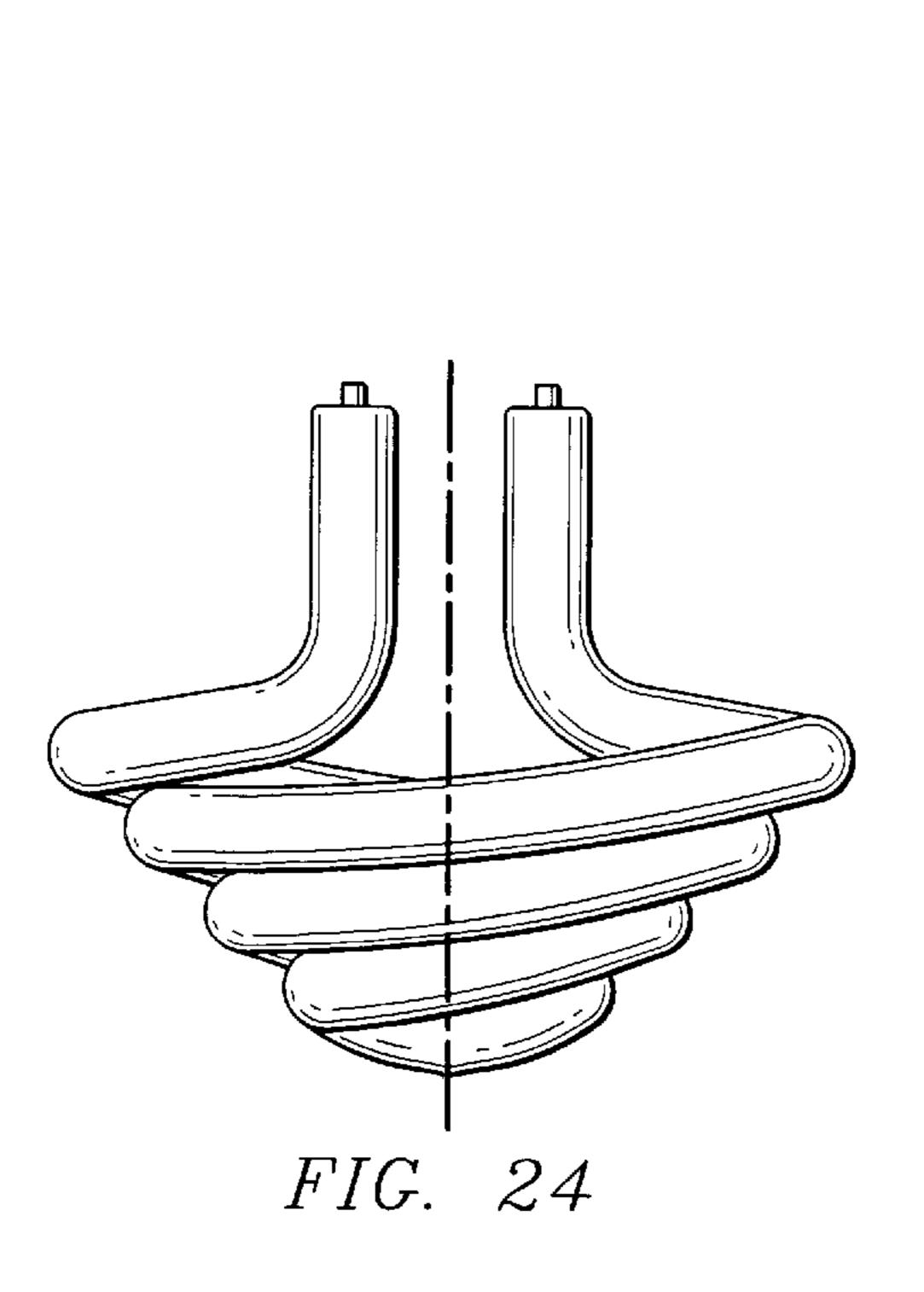


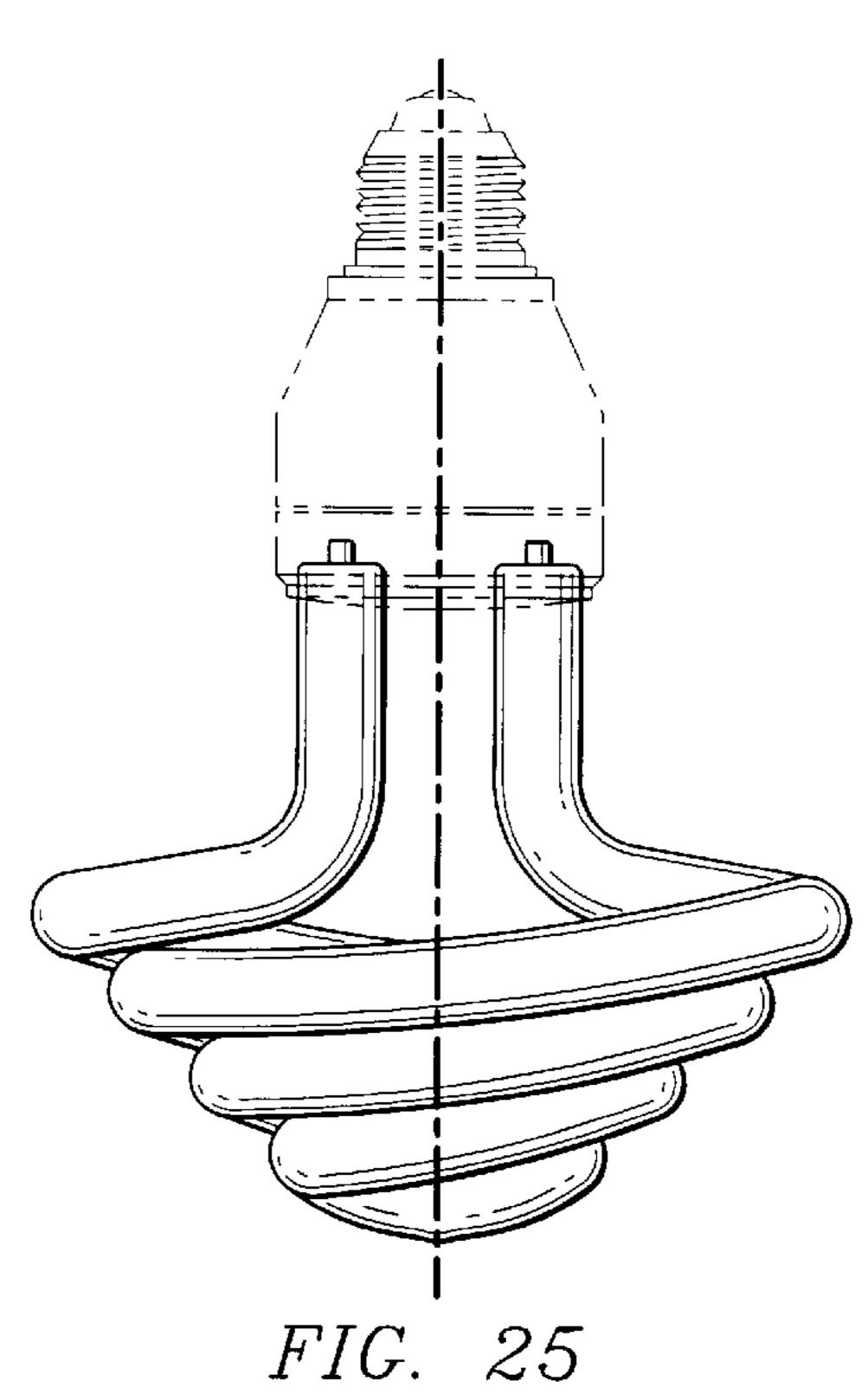












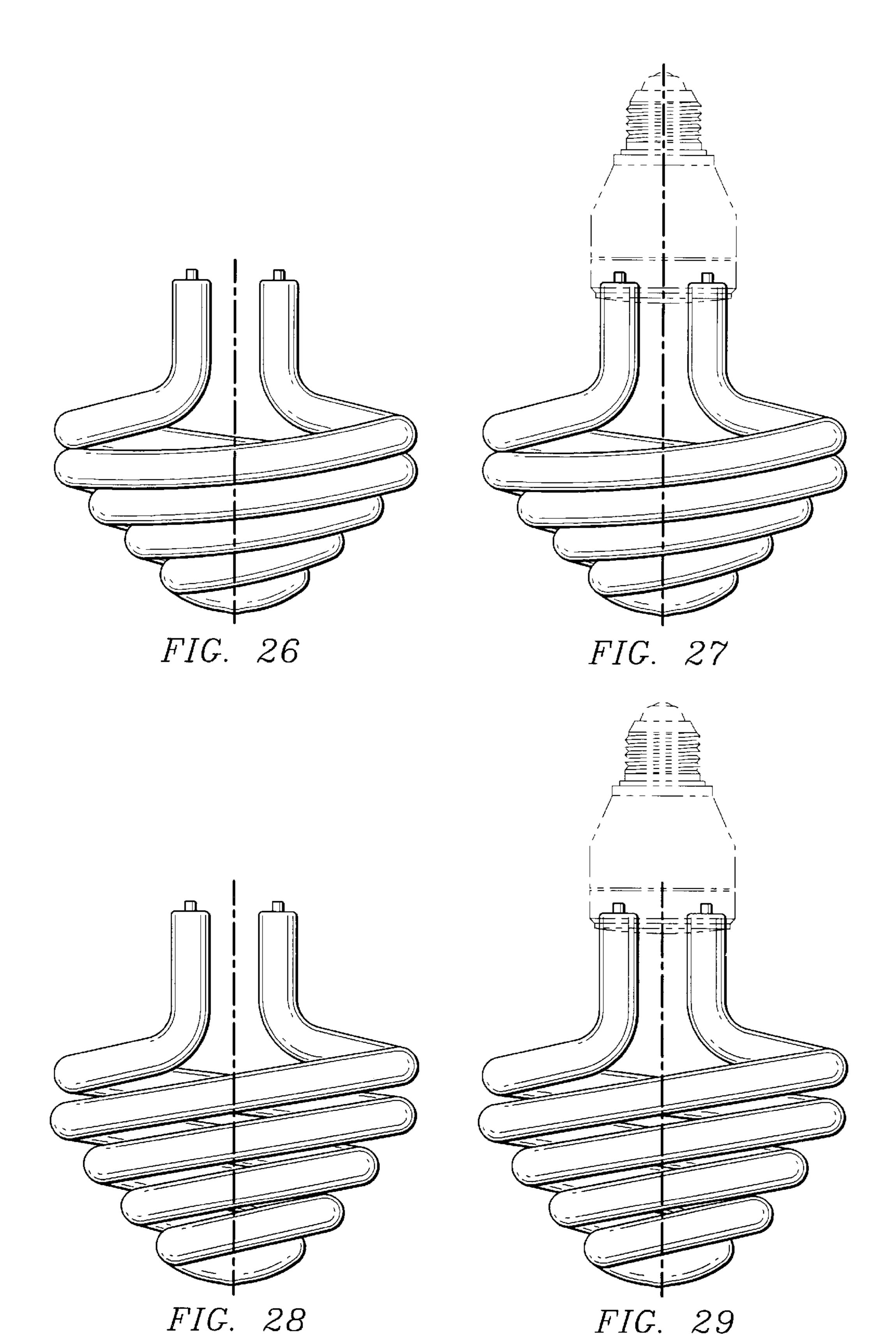


FIG. 29