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(12) United States Design Patent

Carroll et al.

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(54) **LED LIGHT BULB**

(71) Applicant: **Forever Bulb, LLC**, Grantsburg, WI (US)

(72) Inventors: **David W. Carroll**, Grantsburg, WI (US); **Wendell Carroll**, Minneapolis, MN (US)

(73) Assignee: **Forever Bulb, LLC**, Grantsburg, WI (US)

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

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(51) **LOC (10) Cl.** **26-04**

(52) **U.S. Cl.**
USPC **D26/2**

(58) **Field of Classification Search**
USPC D26/1–4; 313/313, 315, 316, 317, 318, 313/493; 315/52, 53, 56, 57, 58; 362/235, 362/294, 294.02, 368
CPC F21Y 2101/02; B60Q 1/0064; H05B 33/0803
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,162,696	A	11/1992	Goodrich
5,806,965	A	9/1998	Deese
6,220,722	B1	4/2001	Begemann
6,343,871	B1	2/2002	Yu
6,367,949	B1	4/2002	Pederson
6,462,475	B1	10/2002	Lee
D471,651	S	3/2003	Bobel
D479,886	S	9/2003	Kakuno et al.
D480,486	S	10/2003	Kakuno et al.
6,739,734	B1	5/2004	Hulgan

(Continued)

FOREIGN PATENT DOCUMENTS

DE	102007056874	5/2009
JP	2005310561	11/2005

(Continued)

Primary Examiner — Ian Simmons
Assistant Examiner — Harold Blackwell, II
(74) *Attorney, Agent, or Firm* — Dicke, Billig & Czaja, PLLC

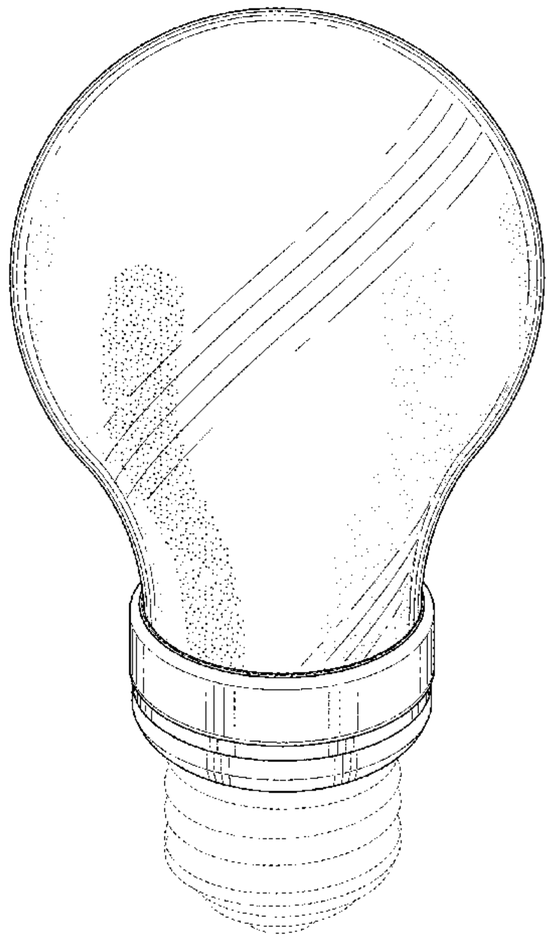
(57) **CLAIM**

The ornamental design for a LED light bulb, as shown and described.

DESCRIPTION

FIG. **1** is a front, top perspective view of a LED light bulb, according to the present disclosure, including a translucent bulb surface revealing interior elements with the LED light bulb shown in a "powered-off" state;
FIG. **2** is a front, top perspective view of a LED light bulb, according to the present disclosure, including an a translucent bulb surface revealing interior elements with the LED light bulb shown in a "powered-on" state;
FIG. **3** is an exploded view illustrating interior elements of the LED light bulb of FIG. **1**, according to the present disclosure;
FIG. **4** is a front plan view of the LED light bulb of FIG. **2**;
FIG. **5** is a back plan view of the LED light bulb of FIG. **2**;
FIG. **6** is a left side view of the LED light bulb of FIG. **2**;
FIG. **7** is a right side view of the LED light bulb of FIG. **2**;
FIG. **8** is a top plan view of the LED light bulb of FIG. **2**; and,
FIG. **9** is a bottom plan view of the LED light bulb of FIG. **2**.
The broken lines in the drawings illustrate portions of the LED light bulb which form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D494,688	S	8/2004	Van de Ven et al.	
7,086,756	B2	8/2006	Maxik	
D529,202	S	9/2006	Nagai et al.	
D531,741	S	11/2006	Takahashi	
D534,665	S	1/2007	Egawa et al.	
D538,953	S	3/2007	Mama	
7,217,956	B2	5/2007	Daniels et al.	
D548,369	S	8/2007	Bembridge	
7,259,030	B2	8/2007	Daniels et al.	
D553,267	S	10/2007	Yuen	
7,318,661	B2	1/2008	Catalano	
7,319,293	B2	1/2008	Maxik	
D581,066	S	11/2008	Van Dyn Hoven	
D601,278	S	9/2009	Takahashi	
7,588,351	B2	9/2009	Meyer	
D610,277	S	2/2010	Lee	
D615,220	S	5/2010	Crane et al.	
D617,915	S	6/2010	Wada et al.	
7,726,836	B2	6/2010	Chen	
7,736,020	B2	6/2010	Baroky et al.	
D620,155	S	7/2010	Wang et al.	
D623,774	S	9/2010	Tsai	
D626,667	S	11/2010	Jonsson et al.	
D633,226	S	2/2011	Katsaros	
8,013,501	B2	9/2011	Carroll et al.	
D646,408	S	10/2011	Shi	
D646,809	S	10/2011	Shi	
D654,602	S	2/2012	Carroll et al.	
D663,051	S	7/2012	Xu et al.	
D664,684	S	7/2012	Carroll et al.	
D664,685	S	7/2012	Carroll et al.	
D668,797	S	10/2012	Xu	
8,371,722	B2	2/2013	Carroll	
D691,290	S	10/2013	Carroll et al.	
D691,292	S	10/2013	Qiu	
D700,373	S	2/2014	Carroll et al.	
D706,959	S *	6/2014	Carroll et al.	D26/2
D717,973	S *	11/2014	Sherman et al.	D26/2
D719,282	S *	12/2014	Morin et al.	D26/2
D721,446	S *	1/2015	Carroll et al.	D26/2
2002/0021573	A1	2/2002	Zhang	
2002/0176253	A1	11/2002	Lee	
2003/0031015	A1	2/2003	Ishibashi	
2003/0090910	A1	5/2003	Chen	
2003/0117803	A1	6/2003	Chen	
2003/0174499	A1	9/2003	Bohlander	
2004/0037080	A1	2/2004	Luk et al.	
2005/0030761	A1	2/2005	Burgess	
2005/0174769	A1	8/2005	Yong et al.	
2005/0207152	A1	9/2005	Maxik	
2005/0207159	A1	9/2005	Maxik	
2006/0012997	A1	1/2006	Catalano et al.	
2006/0221606	A1	10/2006	Dowling	
2006/0285325	A1	12/2006	Ducharme et al.	
2006/0291256	A1	12/2006	Cobbler	
2007/0103914	A1	5/2007	McCaffrey	
2007/0291482	A1	12/2007	Baroky et al.	
2008/0024070	A1	1/2008	Catalano et al.	
2008/0285279	A1	11/2008	Ng et al.	
2009/0086492	A1	4/2009	Meyer	
2010/0301353	A1	12/2010	Pabst et al.	
2011/0101842	A1	5/2011	Valenzano	
2012/0243230	A1	9/2012	Carroll et al.	

FOREIGN PATENT DOCUMENTS

WO	2005090852	9/2005
WO	2009149263	12/2009

* cited by examiner

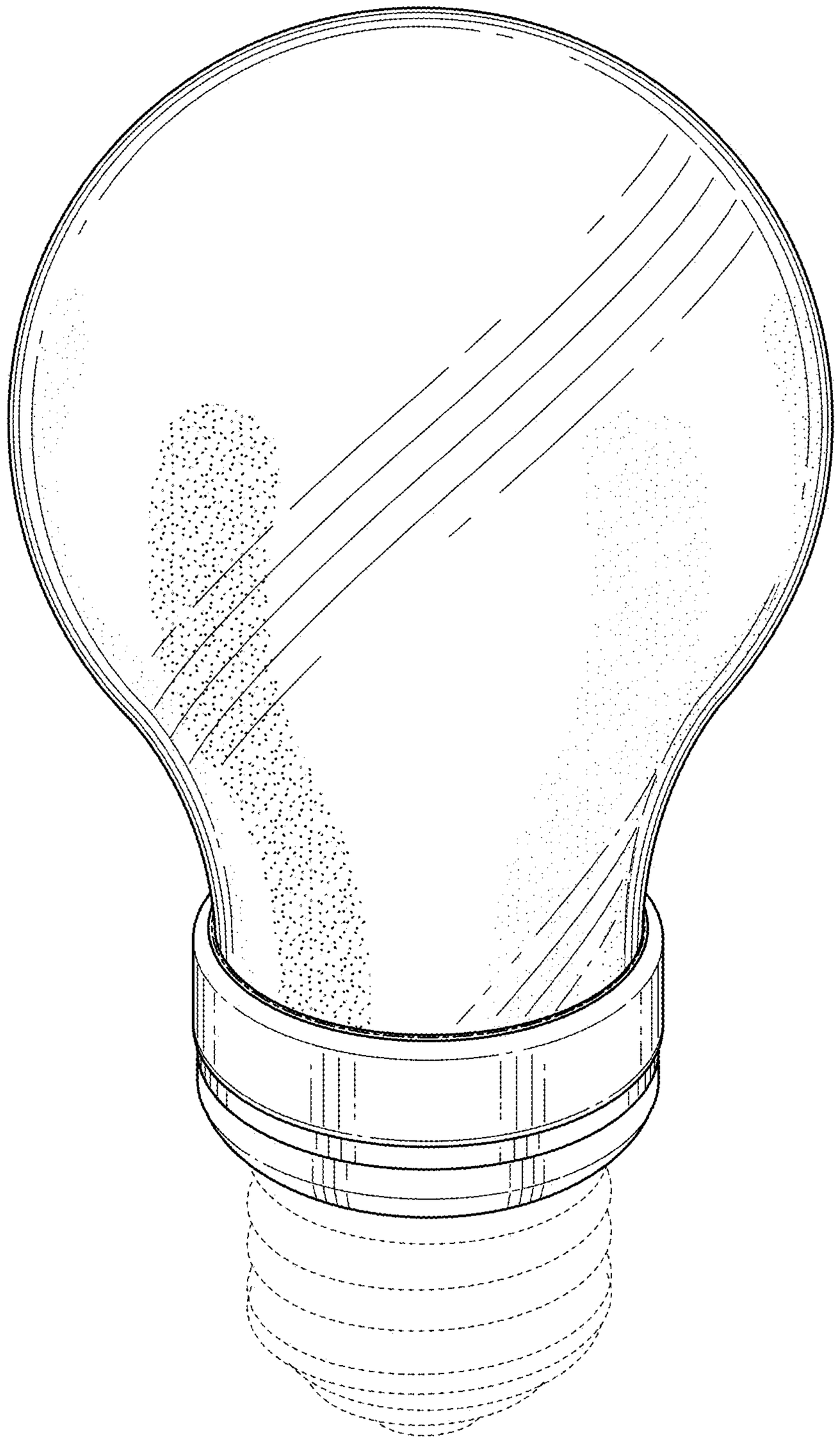


FIG. 1

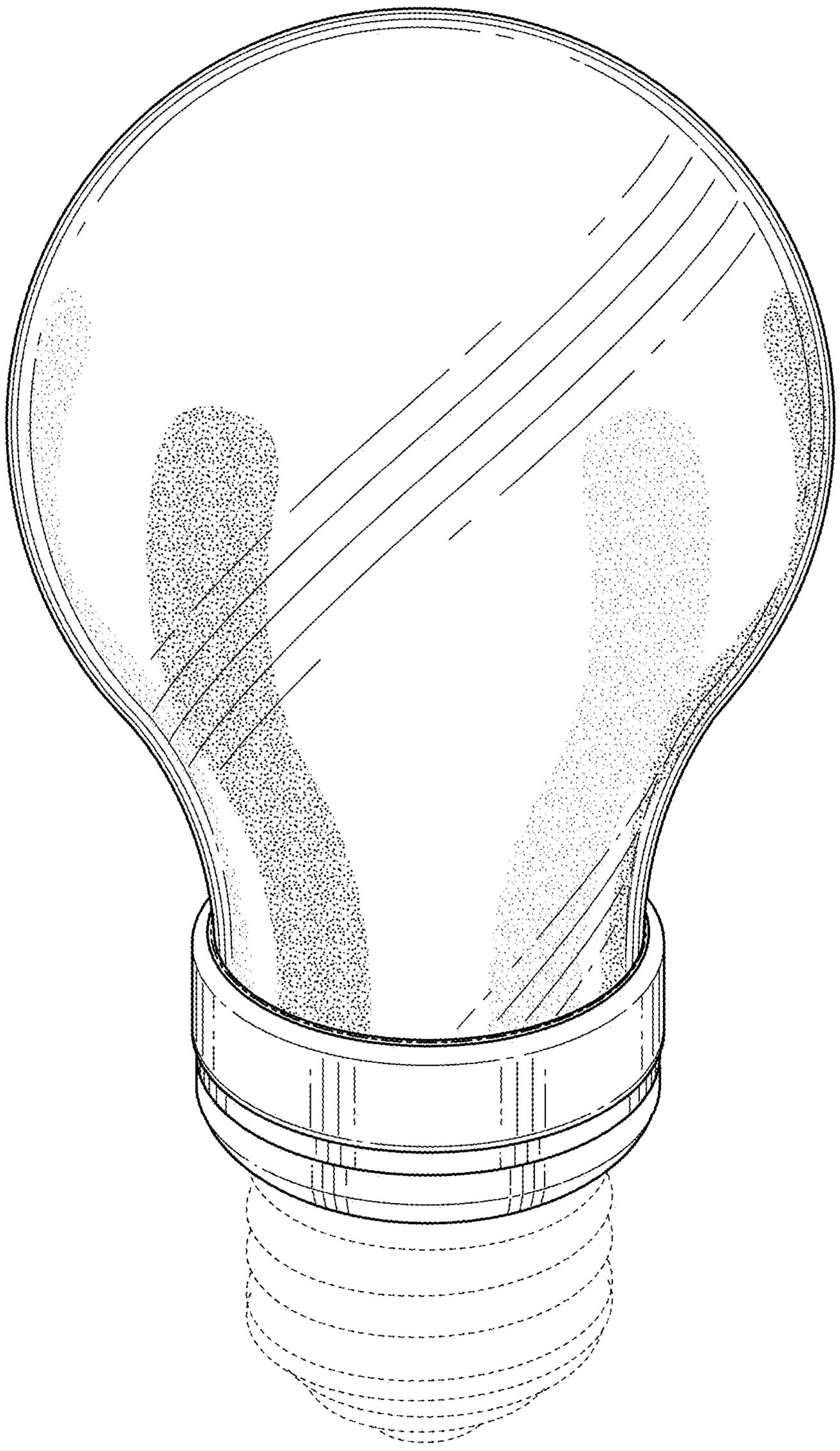


FIG. 2

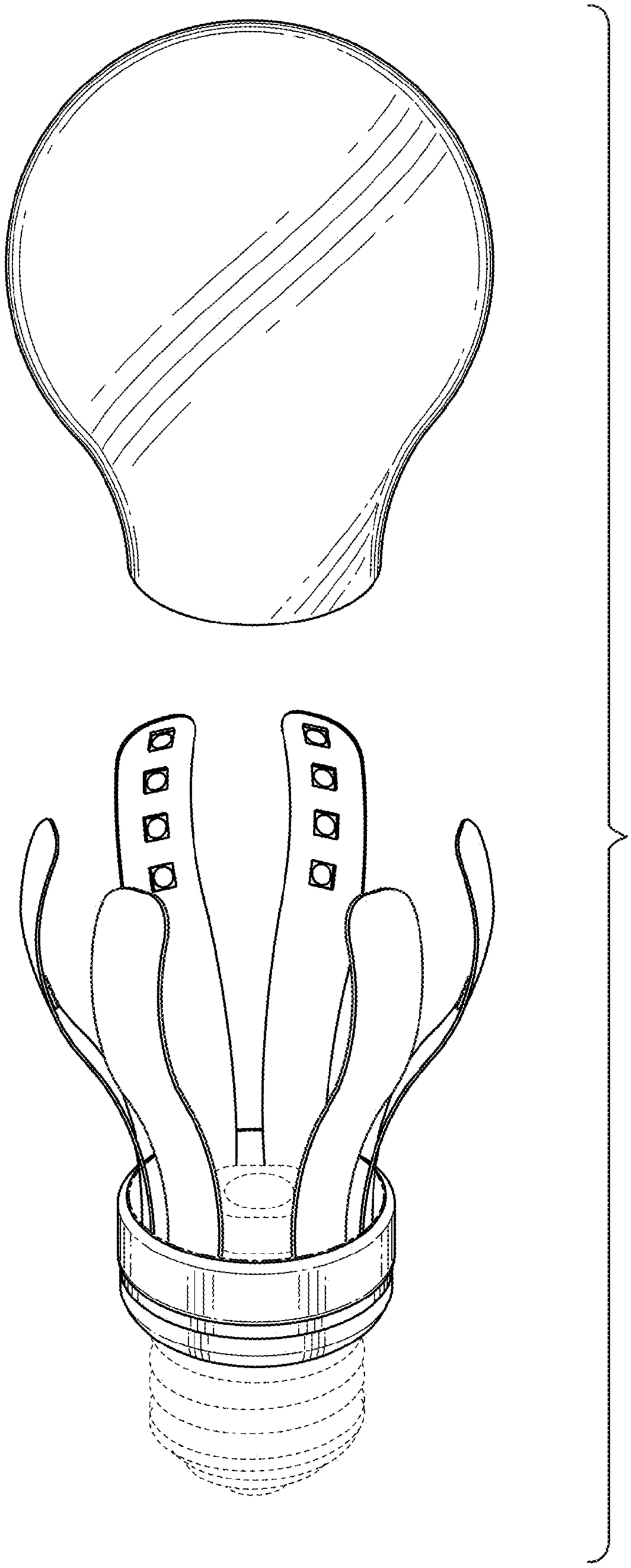
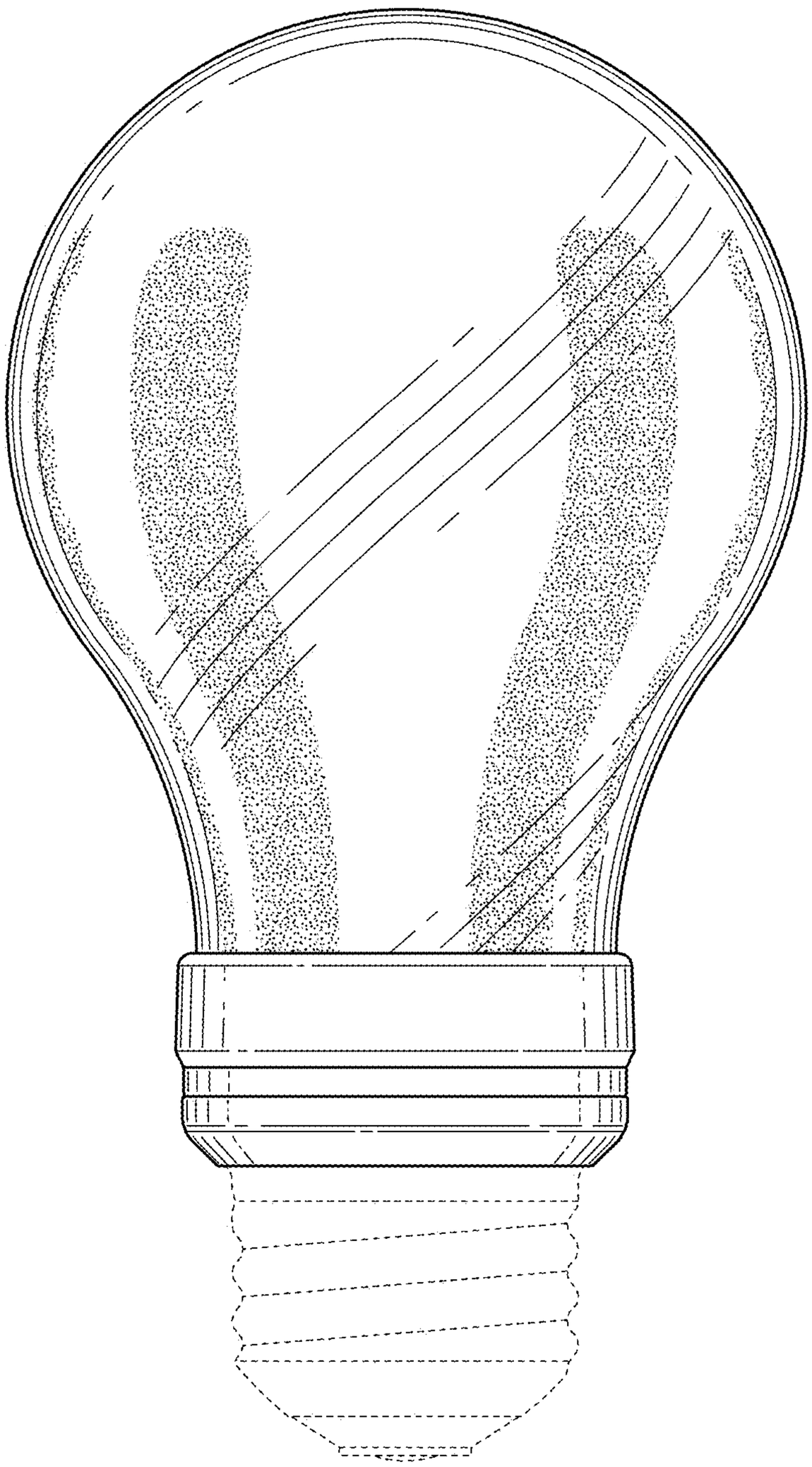


FIG. 3



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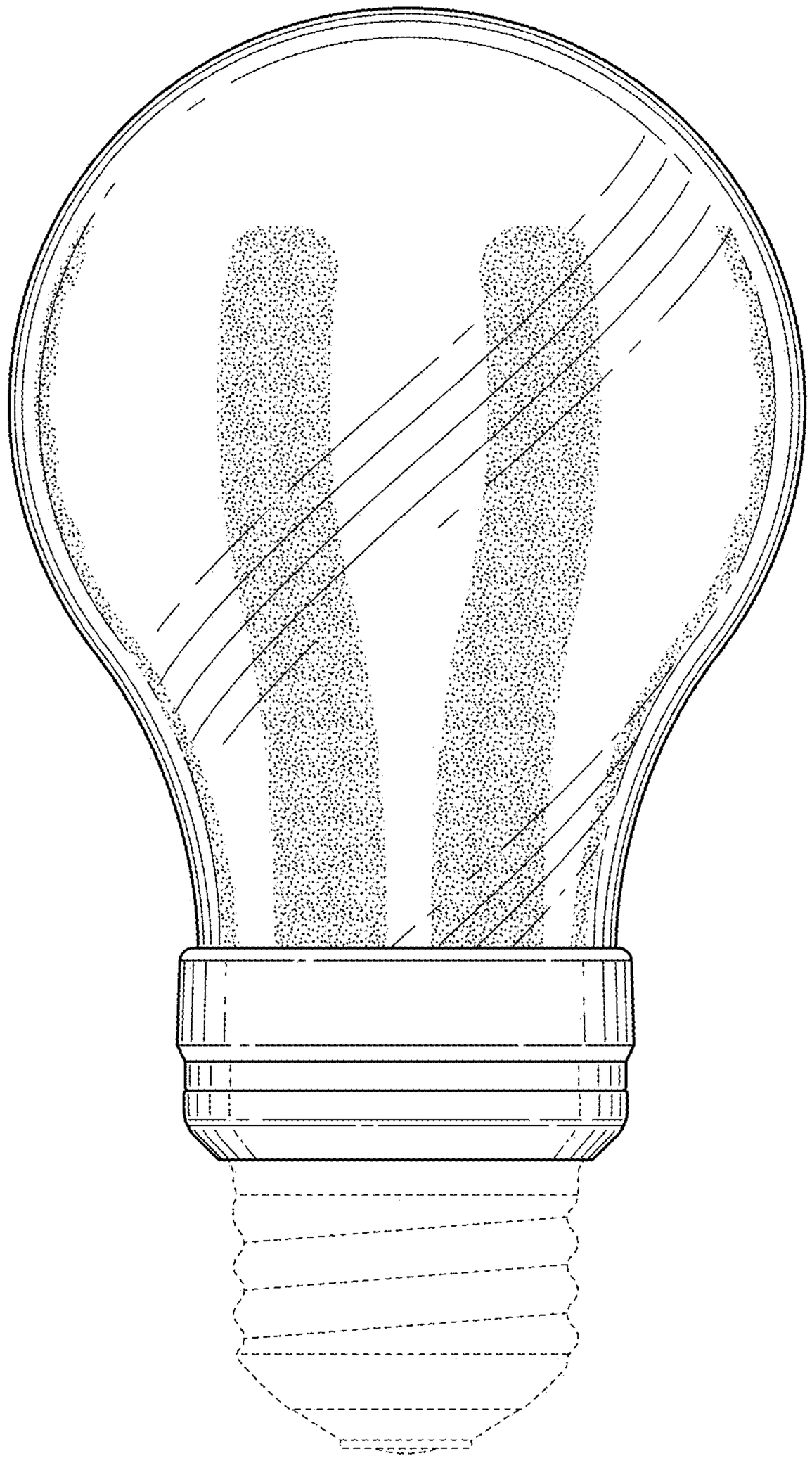

FIG. 5

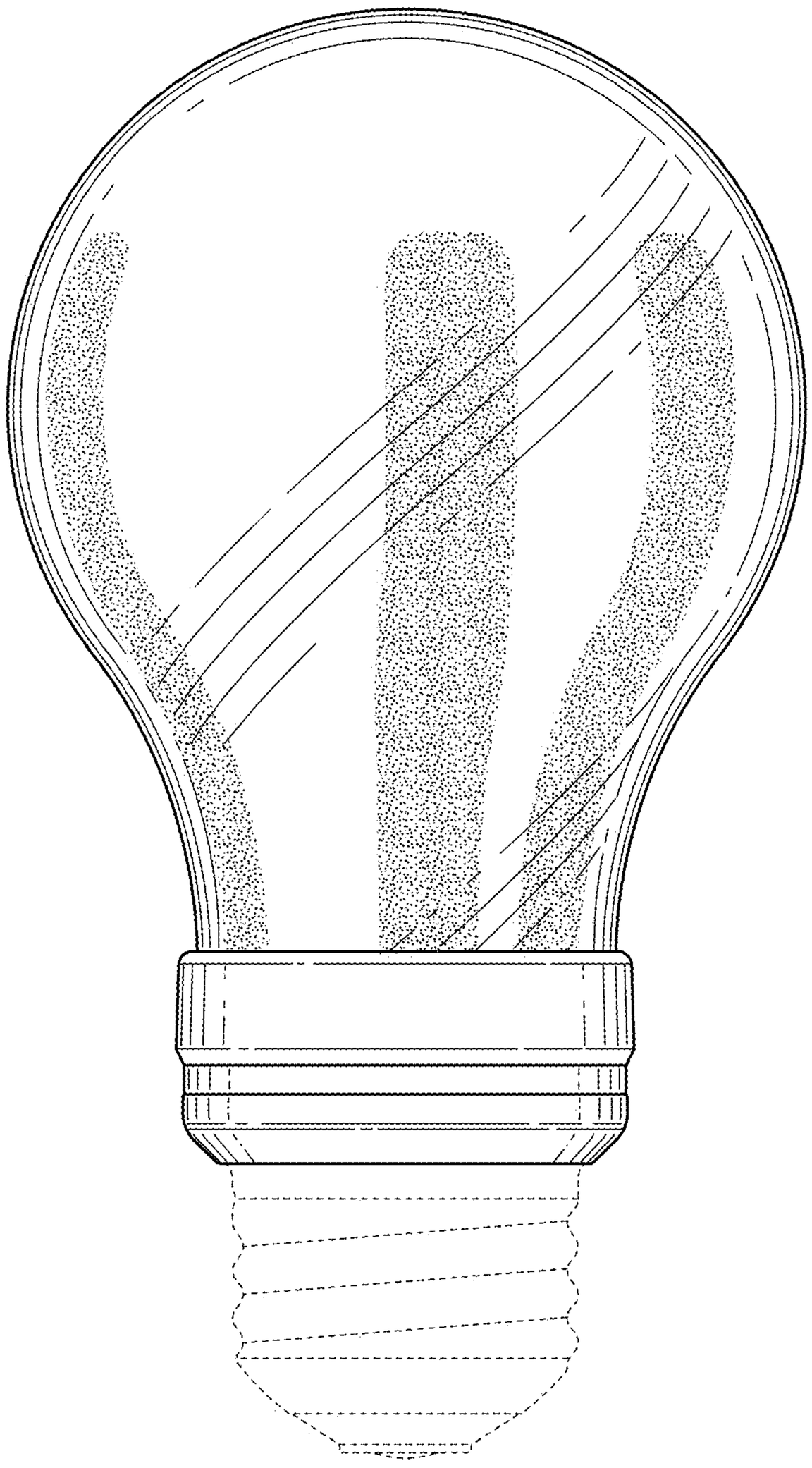

FIG. 6

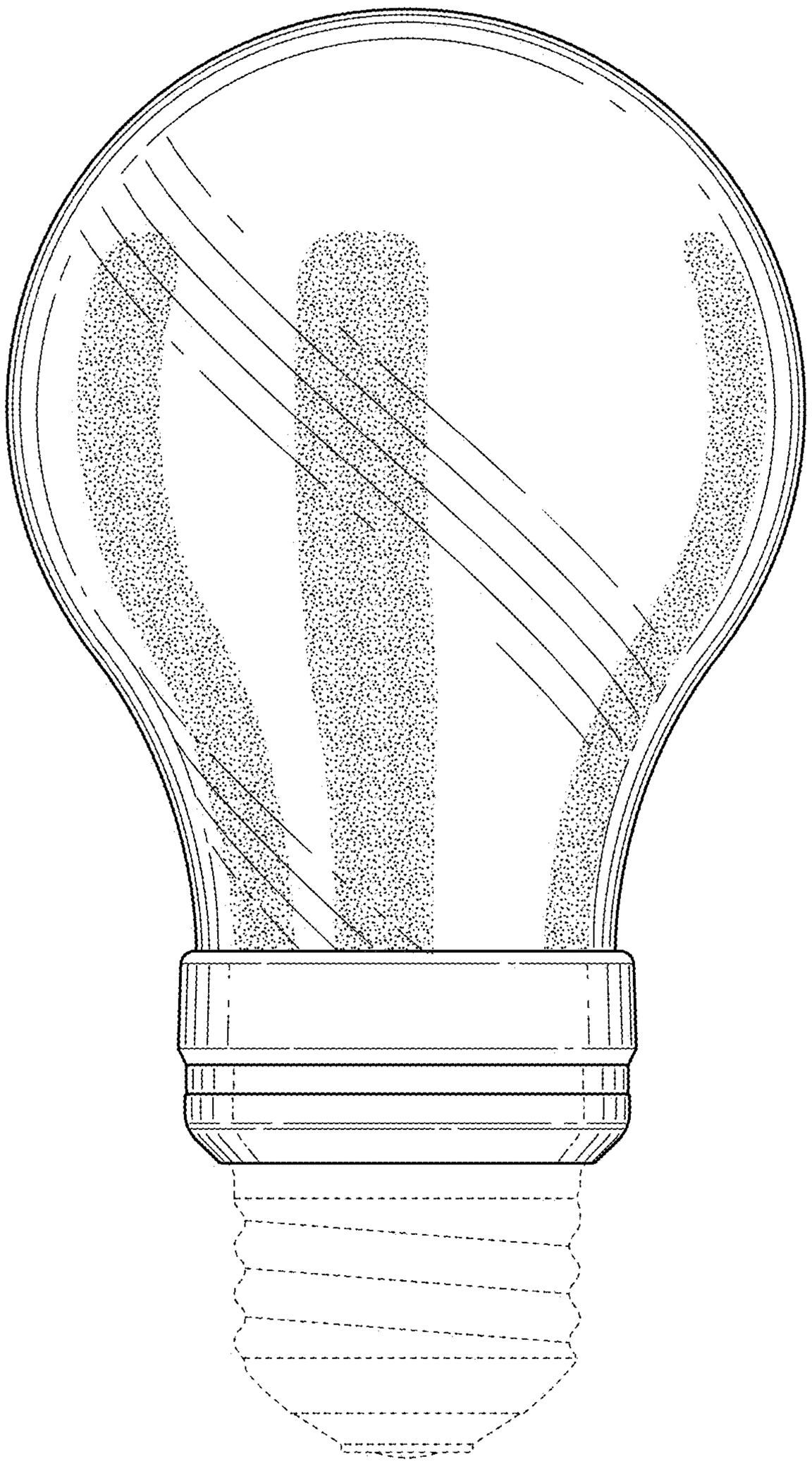

FIG. 7

FIG. 8

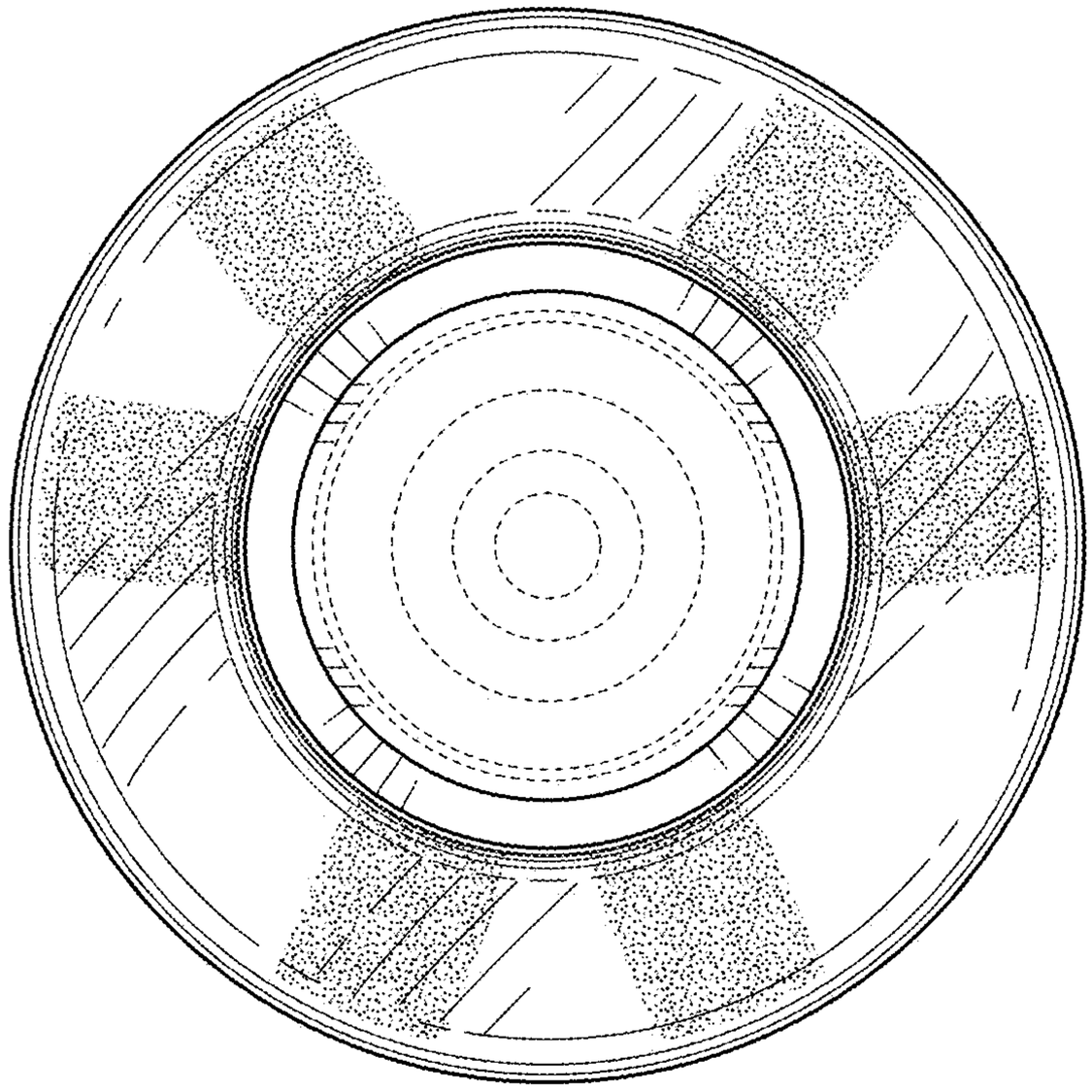

FIG. 9