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Zhai et al.

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(54) **HEAT SINK FOR LIGHT-EMITTING DIODES (LED)**

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

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(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/179; D26/2**

(58) **Field of Classification Search**

CPC F28D 1/0246; F28D 1/0426; F28D 15/02; F28D 15/0266; F28D 15/0275; F28D 15/04; F28F 13/003; F28F 13/12; F28F 1/325; F04D 25/0613; F04D 25/068; F04D 29/281422; F21V 29/2293; F21V 29/2231; G03B 21/16; G06F 1/20; G06F 1/203; H01L 23/34; H01L 23/367; H01L 23/3672; H01L 23/40; H01L 23/4006; H01L 23/4093; H01L 23/427; H01L 23/467; H05K 7/20; H05K 7/20127; H05K 7/20145; H05K 7/20154; H05K 7/20172; H05K 7/20336
USPC D13/179; D26/2, 113, 118, 138; 165/80.3, 104.26, 104.33, 122, 151, 165/185; 257/706, 707, 718-722; 313/46; 361/695, 697, 700, 702, 704, 709, 710, 361/711, 719; 362/231, 249.02, 294, 362/311.02

See application file for complete search history.

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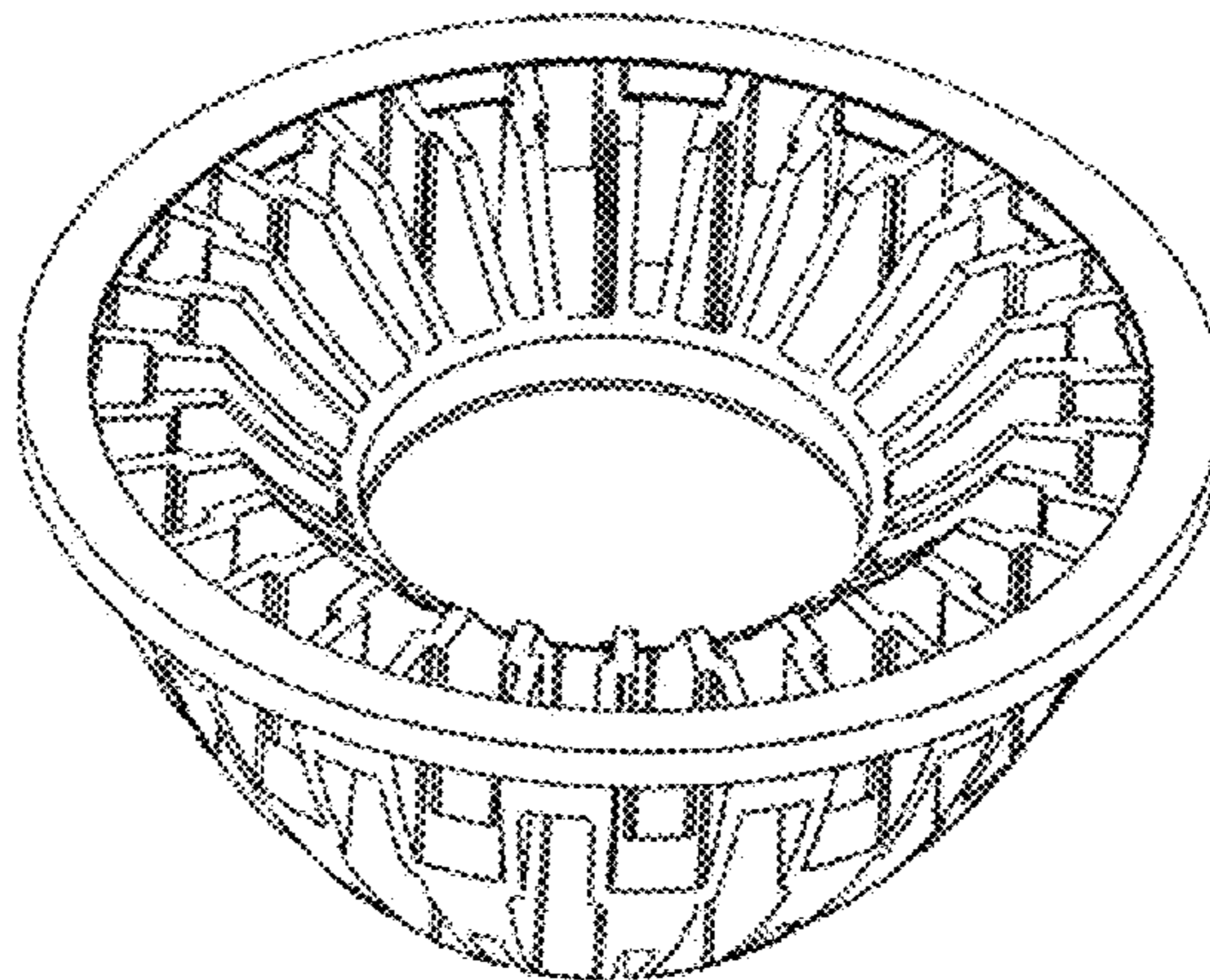
(57) **CLAIM**

The ornamental design for the heat sink for a light-emitting diodes (LED), as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a heat sink for LED of our new design;
FIG. 2 is a side view thereof;
FIG. 3 is a top view of thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a side view thereof with a PAR base;
FIG. 6 is a front view thereof with a MR16-GU5.3 base, it being understood that the opposite side not shown is a mirror image thereof;
FIG. 7 is a right view thereof with a MR16-GU5.3 base, it being understood that the opposite side not shown is a mirror image thereof;
FIG. 8 is a front view thereof with a MR16-GU10 base, it being understood that the opposite side not shown is a mirror image thereof; and,
FIG. 9 is a right view thereof with a MR16-GU10 base, it being understood that the opposite side not shown is a mirror image thereof.
It will be understood that the broken line showing throughout the drawings is for illustrative purposes only and forms no part the subject design.

1 Claim, 9 Drawing Sheets



(56)

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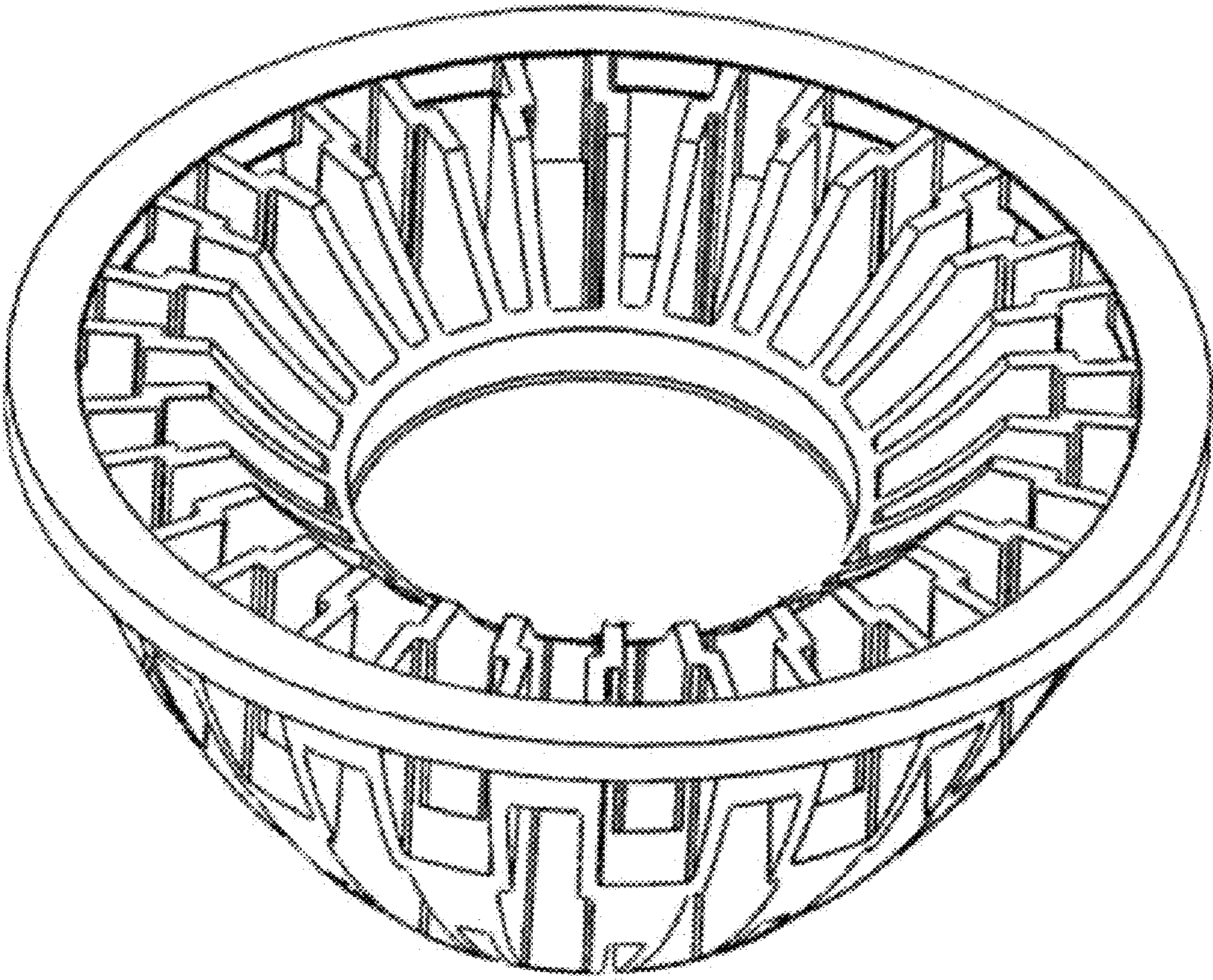


FIG. 1

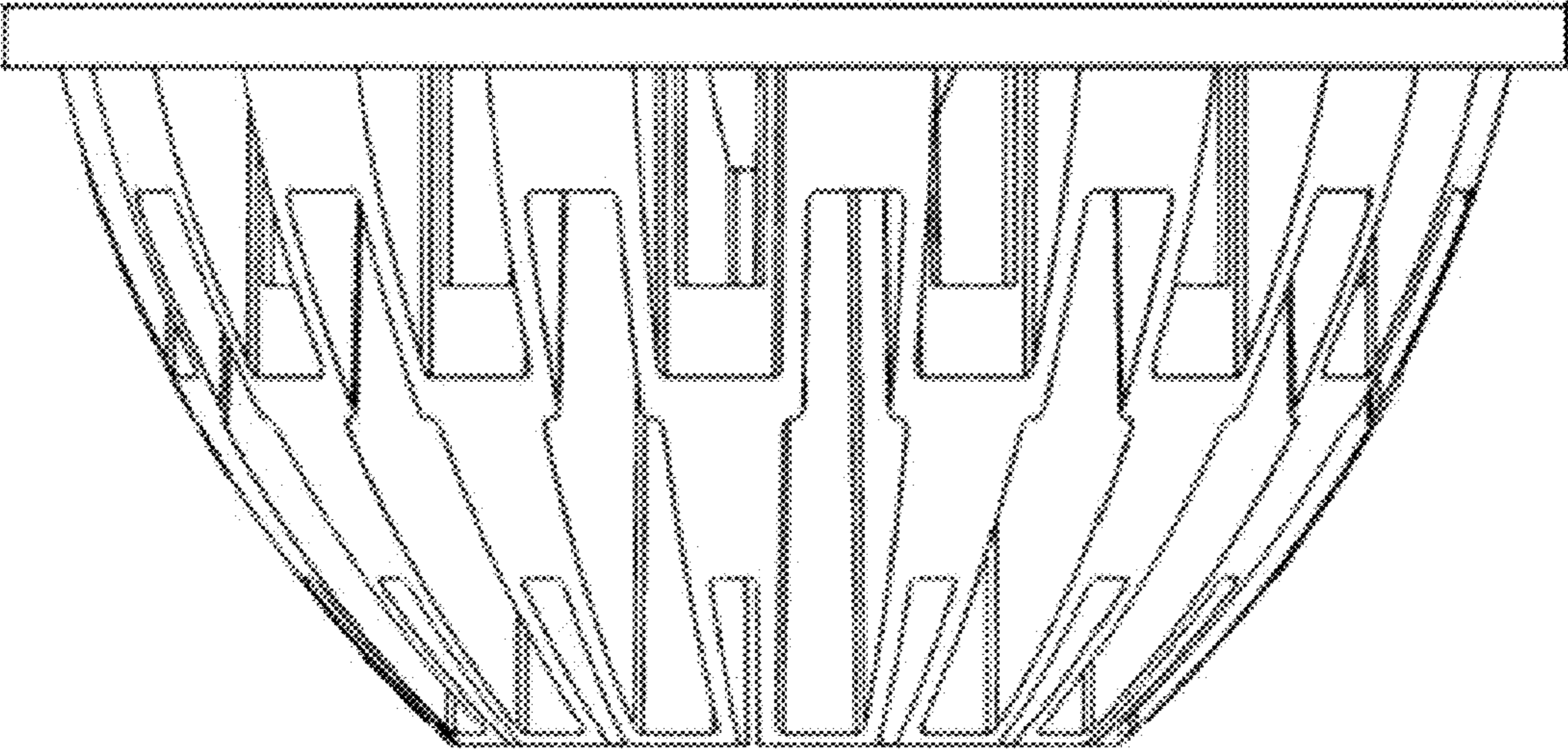


FIG. 2

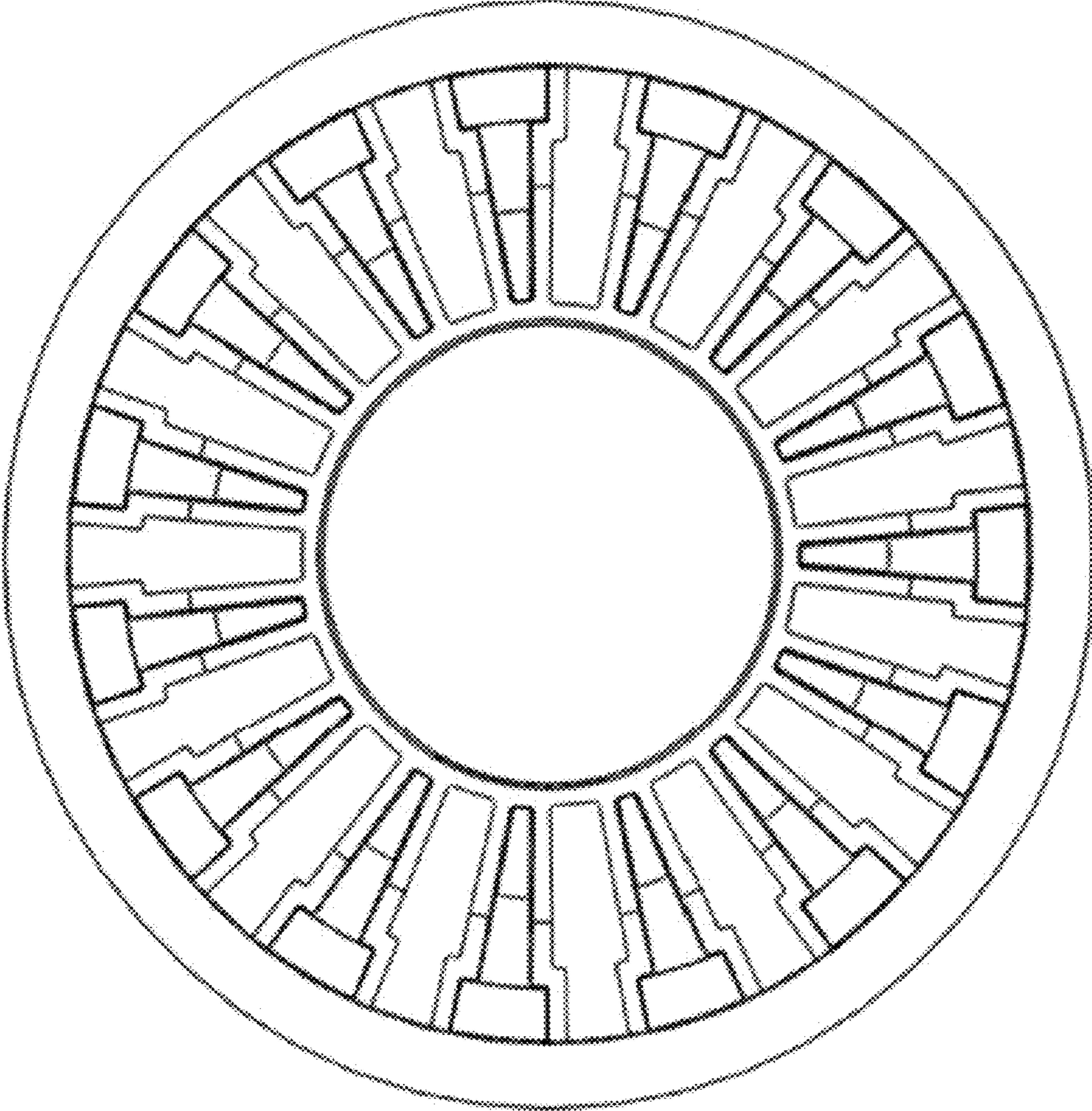


FIG. 3

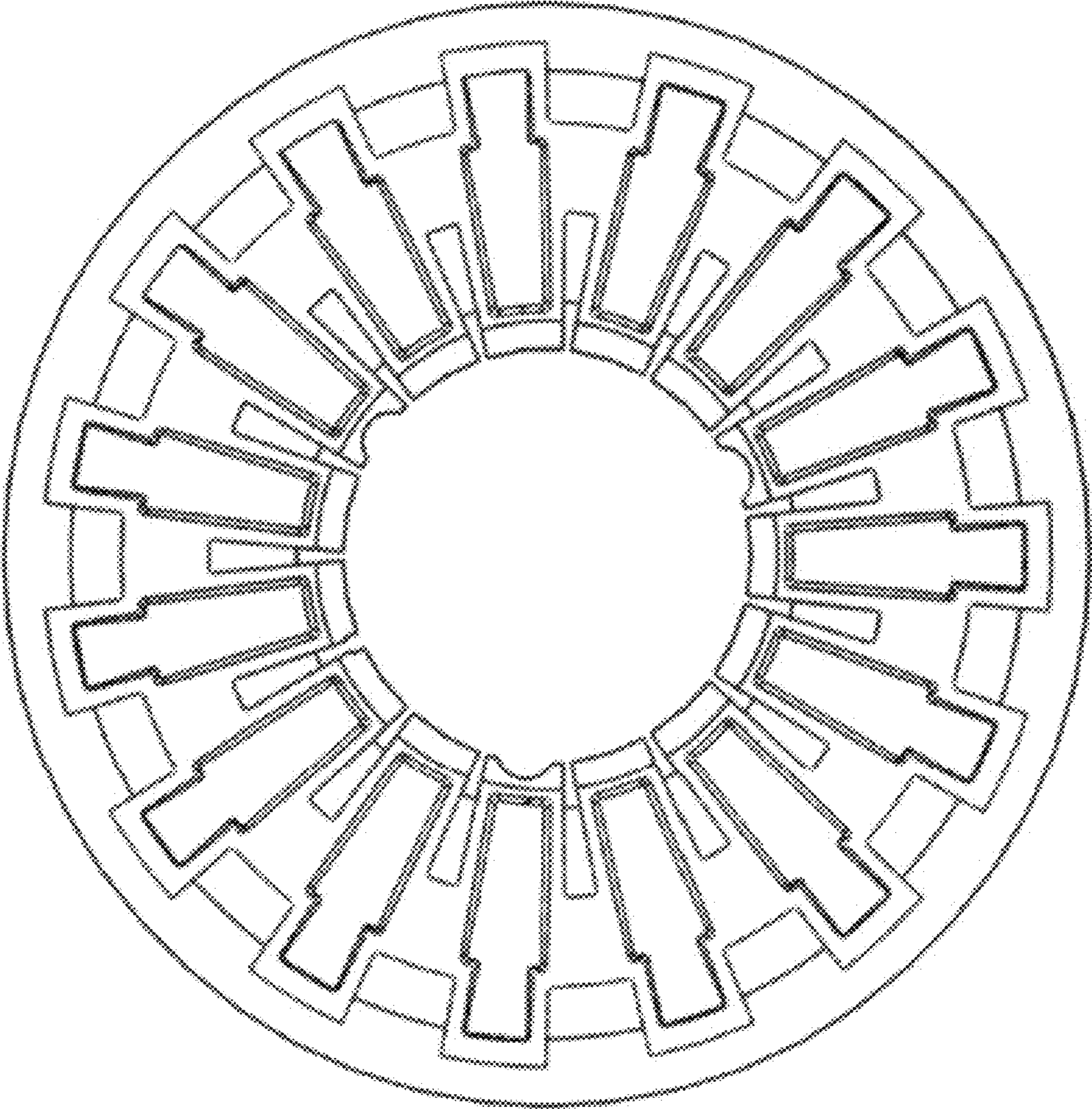


FIG. 4

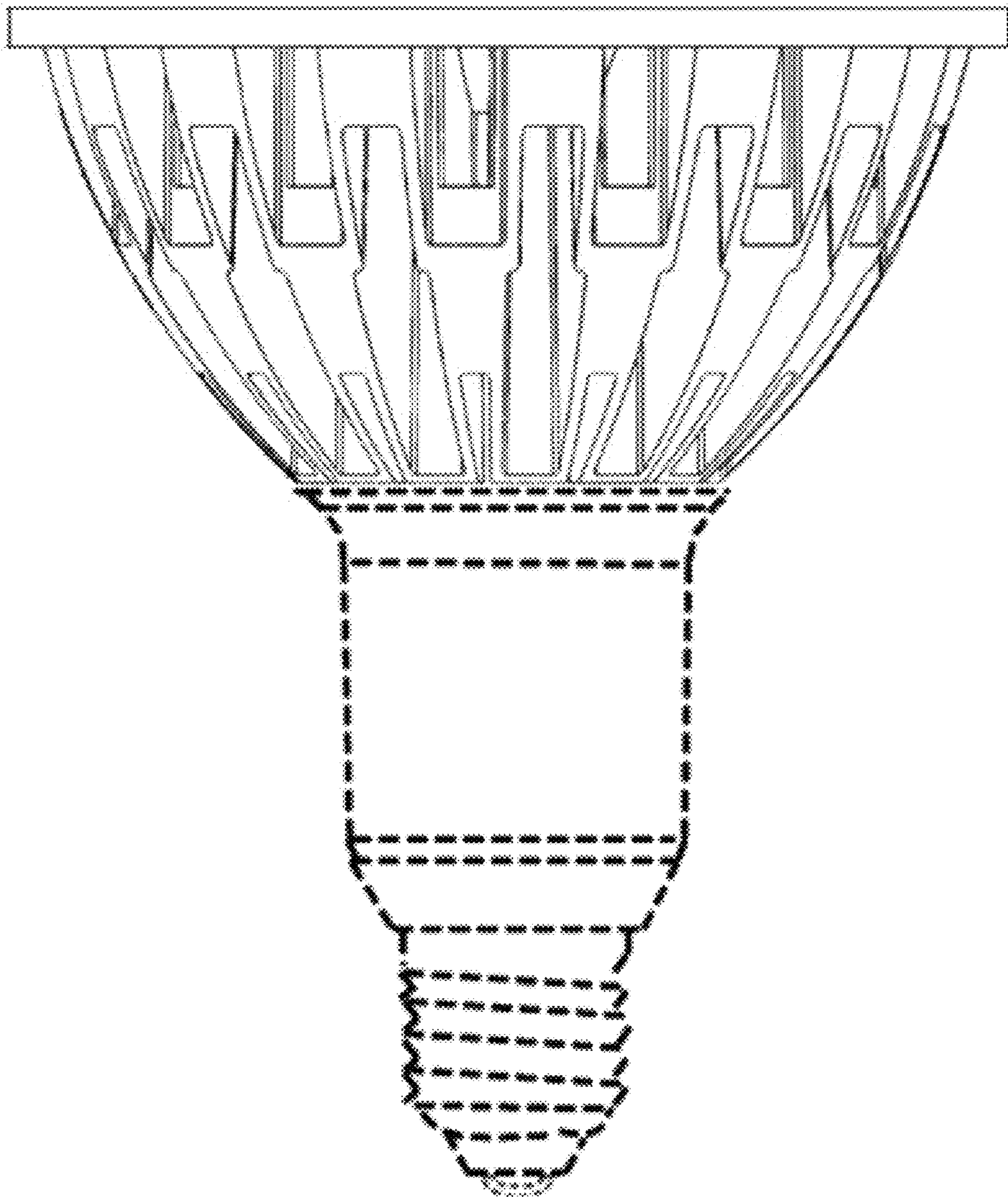


FIG. 5

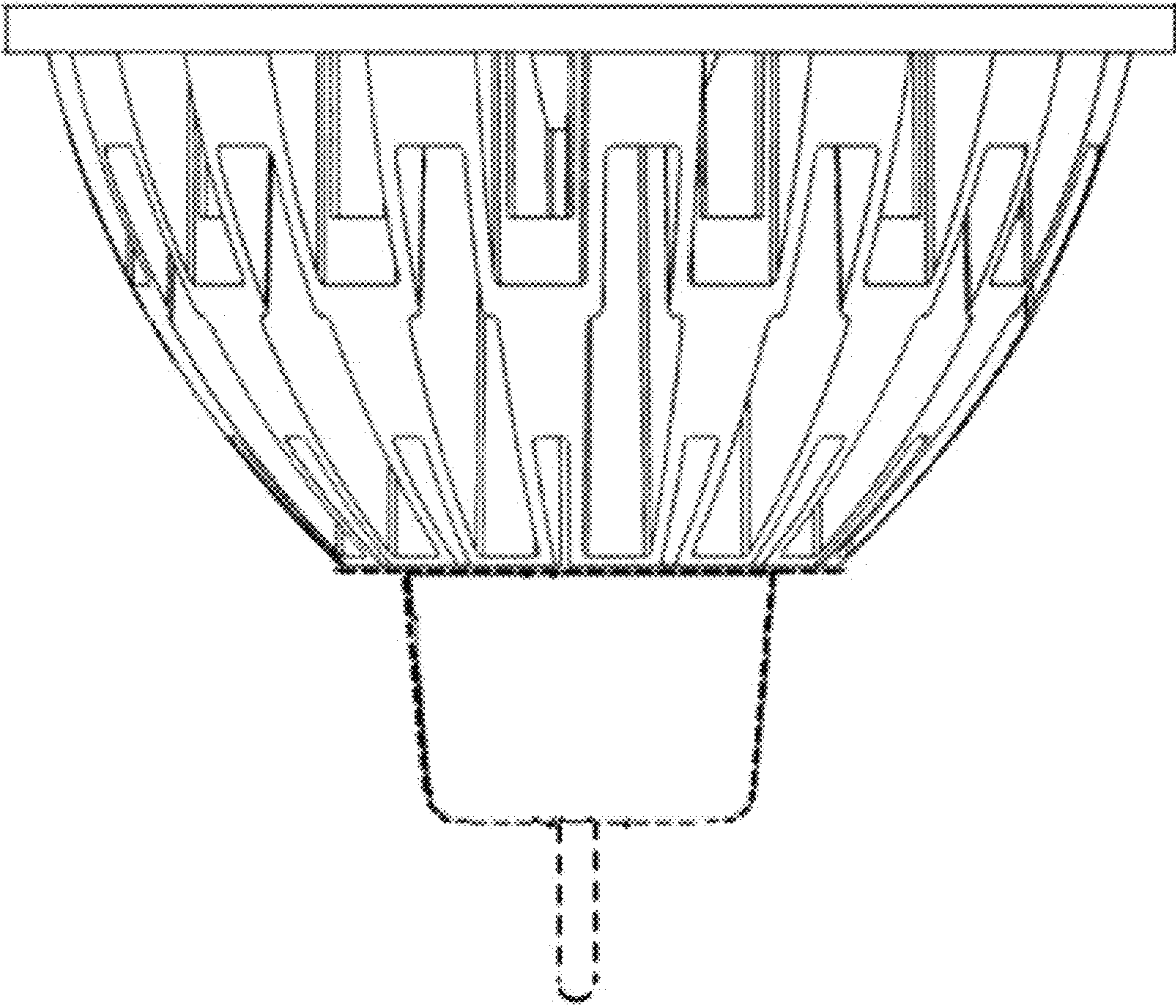


FIG. 6

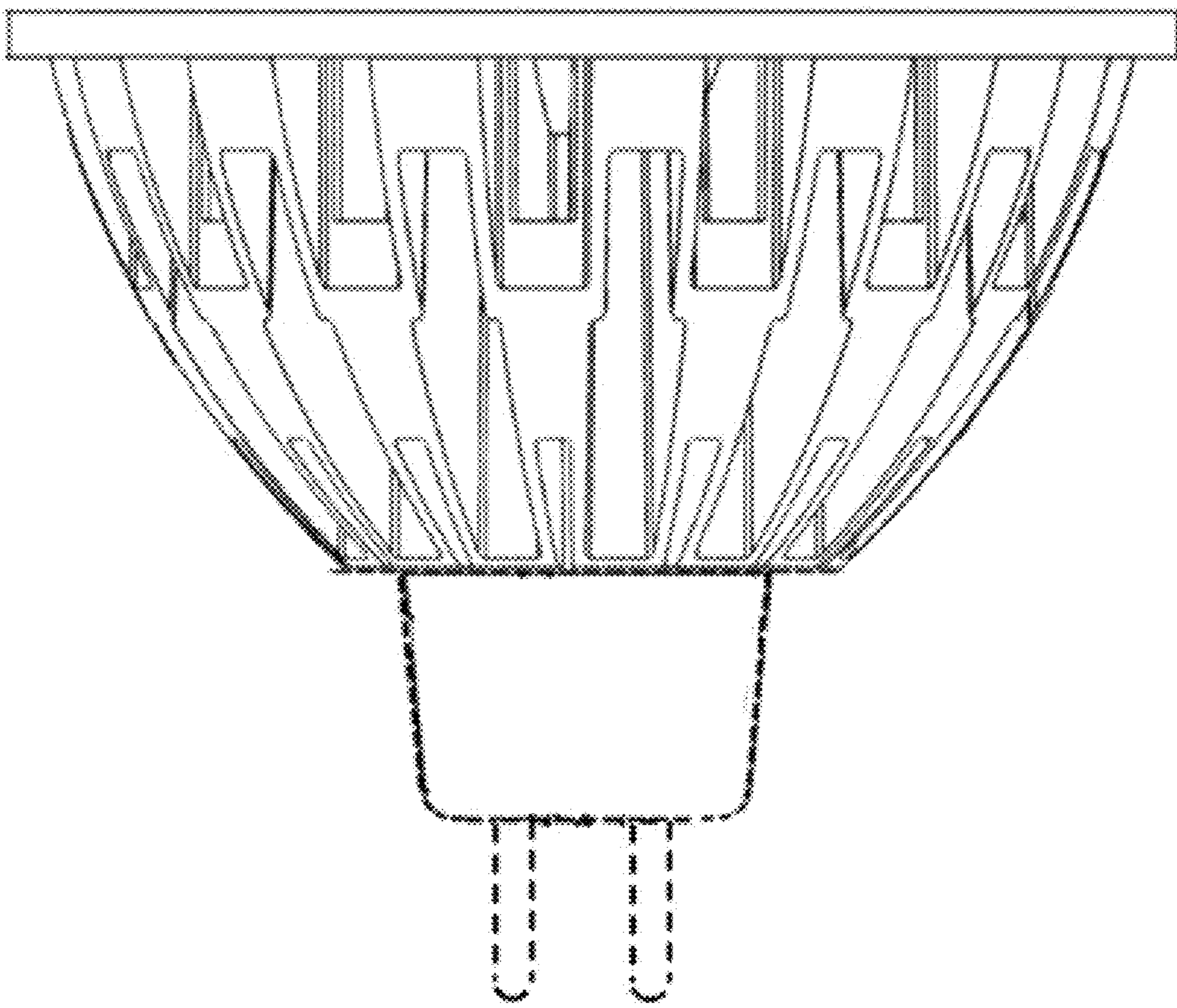


FIG. 7

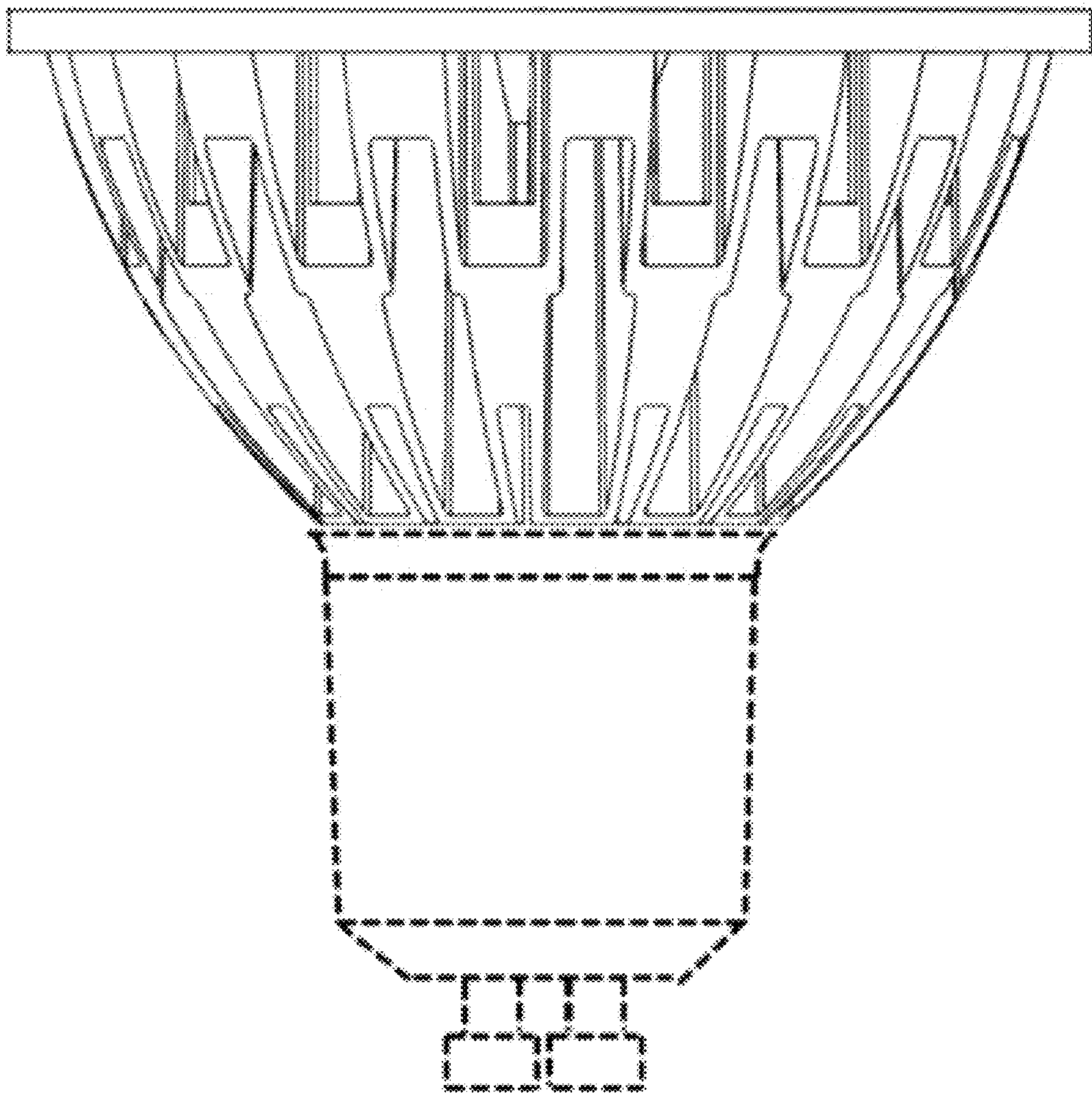


FIG. 8

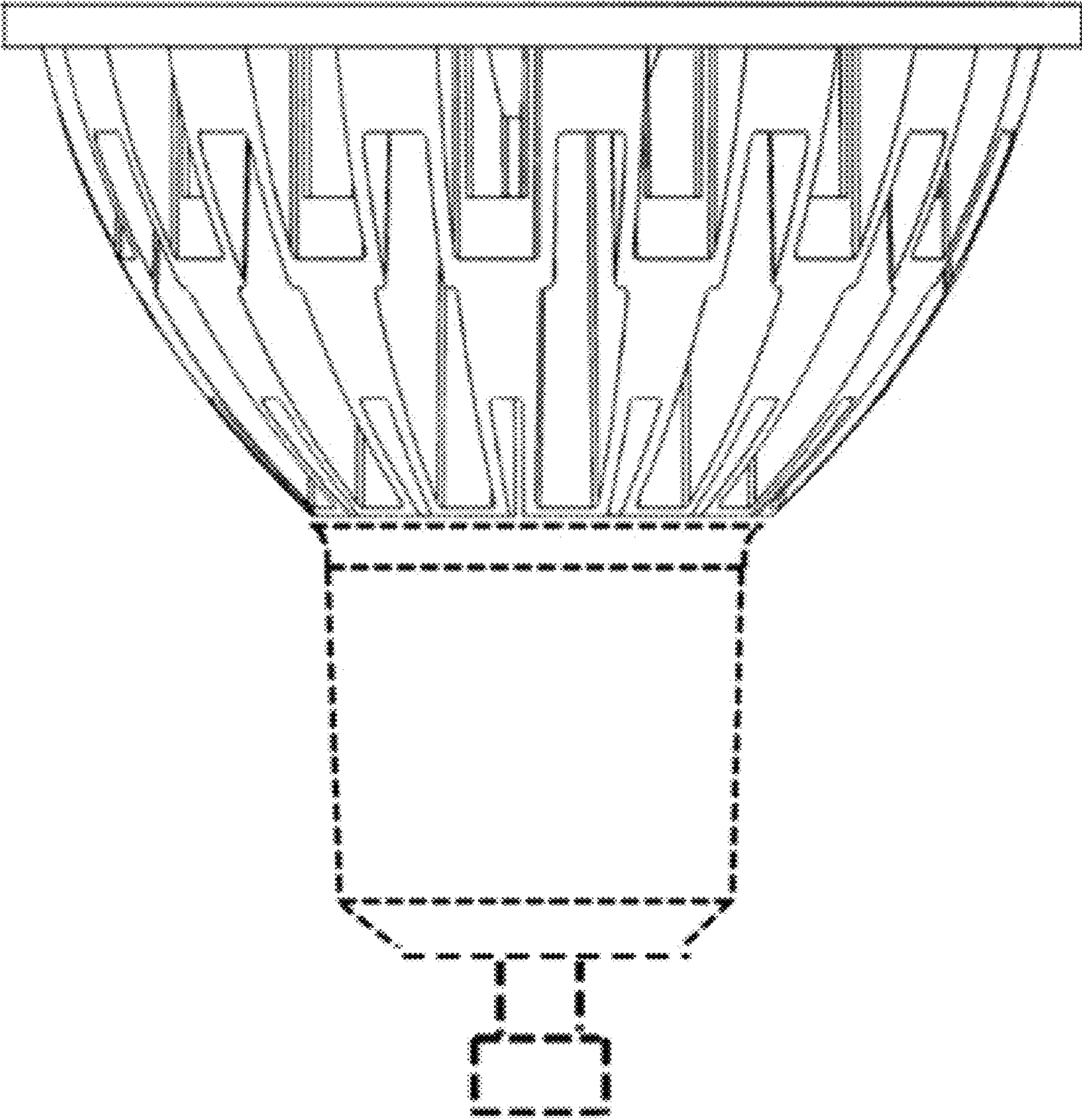


FIG. 9