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(12) **United States Design Patent**  
**Chang et al.**

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(54) **HEAT SINK FOR LIGHT EMITTING DIODE**

362/311.02

See application file for complete search history.

(71) Applicants: **Edison Opto Corporation**, New Taipei (TW); **Ledion Lighting Inc.**, New Taipei (TW)

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(72) Inventors: **Chiung-Wen Chang**, Taipei (TW); **Chien-Yu Shen**, New Taipei (TW); **Kuo-Kai Liao**, New Taipei (TW)

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(73) Assignees: **Edison Opto Corporation** (TW); **Ledion Lighting Inc.** (TW)

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

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(30) **Foreign Application Priority Data**

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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,

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*Primary Examiner* — Selina Sikder

(74) *Attorney, Agent, or Firm* — Hayes Soloway P.C.

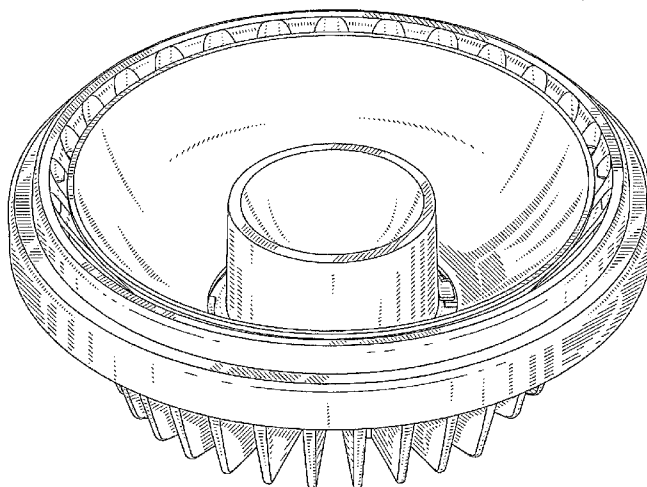
(57) **CLAIM**

The ornamental design for a heat sink for a light emitting diode, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a heat sink for a light emitting diode showing our new design;  
 FIG. 2 is a front view thereof;  
 FIG. 3 is a rear view thereof;  
 FIG. 4 is a left side view thereof;  
 FIG. 5 is a right side view thereof;  
 FIG. 6 is a top view thereof; and,  
 FIG. 7 is a bottom view thereof.

**1 Claim, 7 Drawing Sheets**



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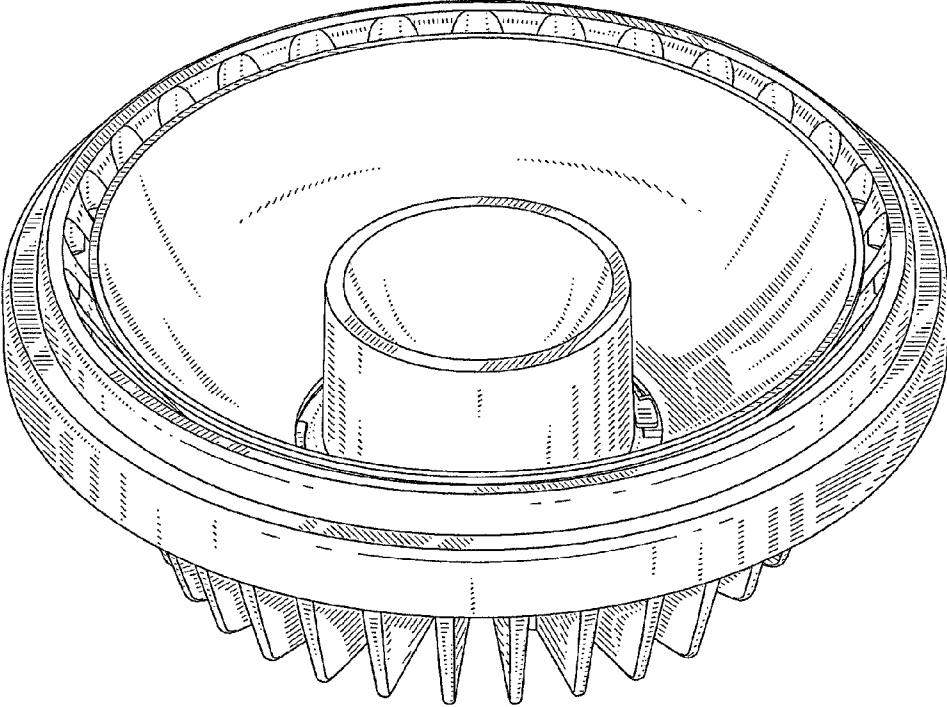


FIG. 1

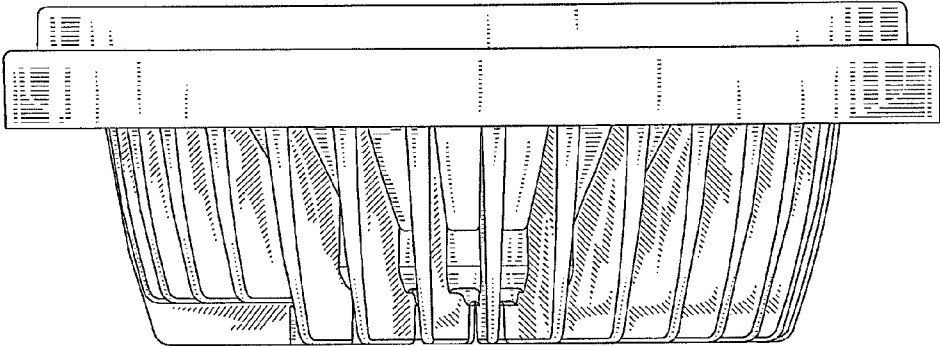


FIG. 2

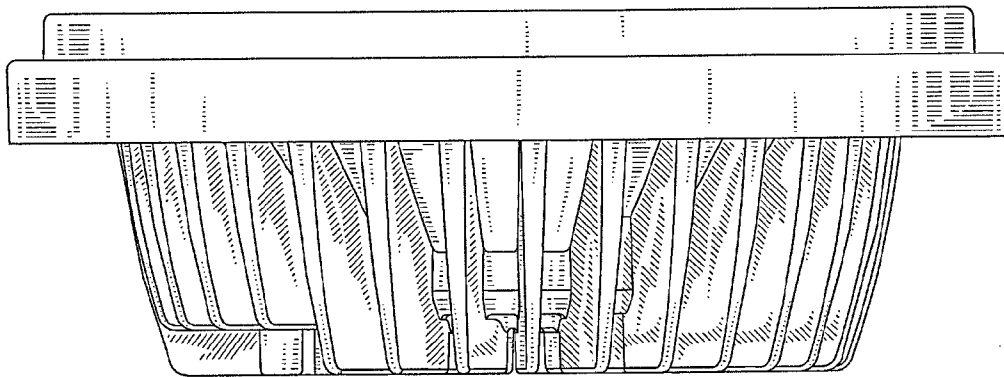


FIG. 3

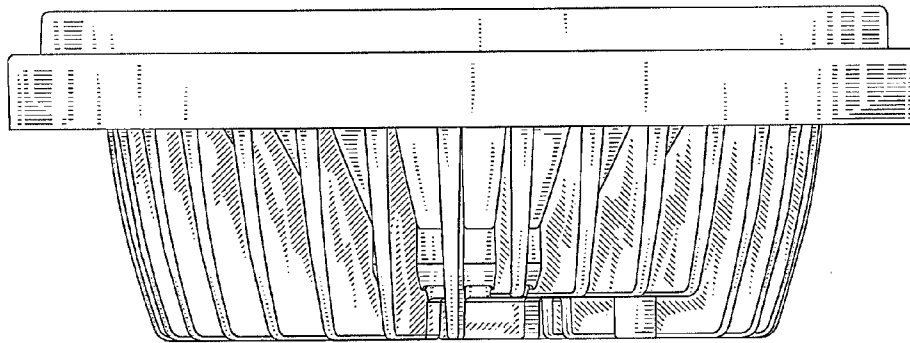


FIG. 4

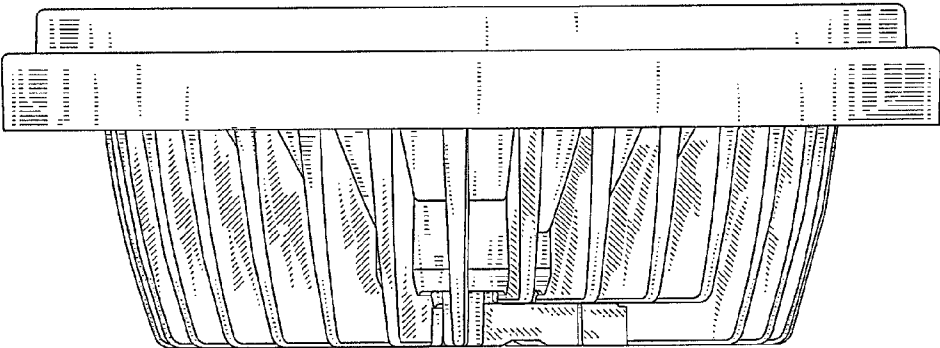


FIG. 5

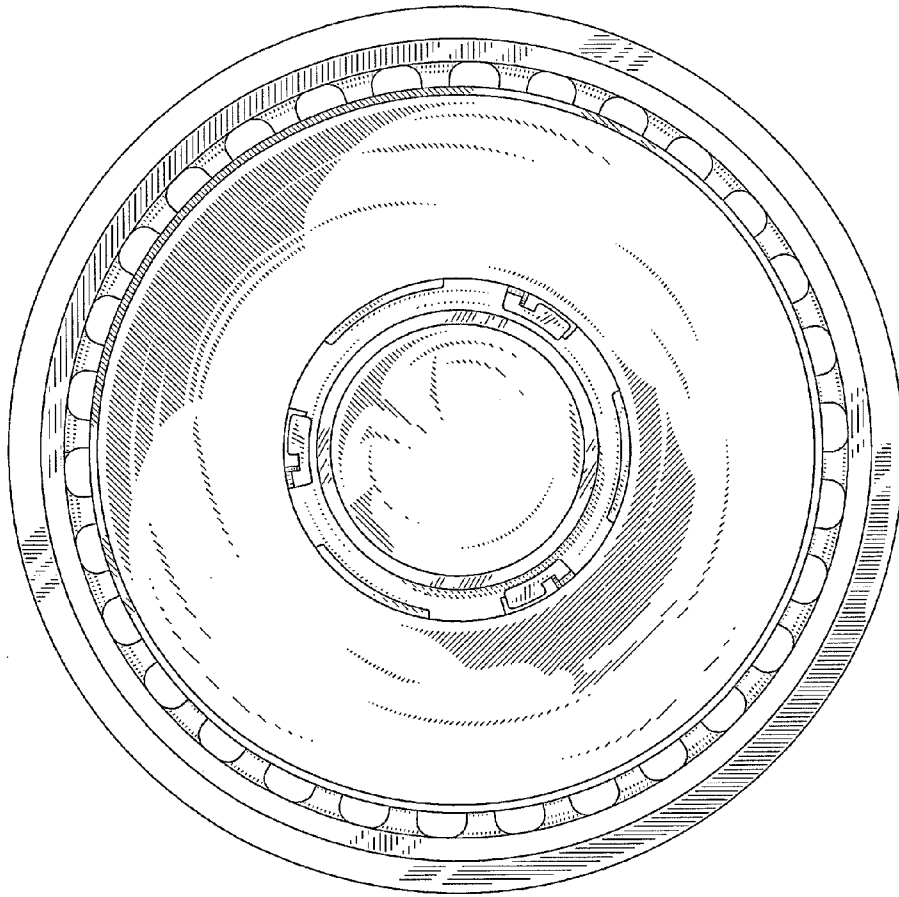


FIG. 6

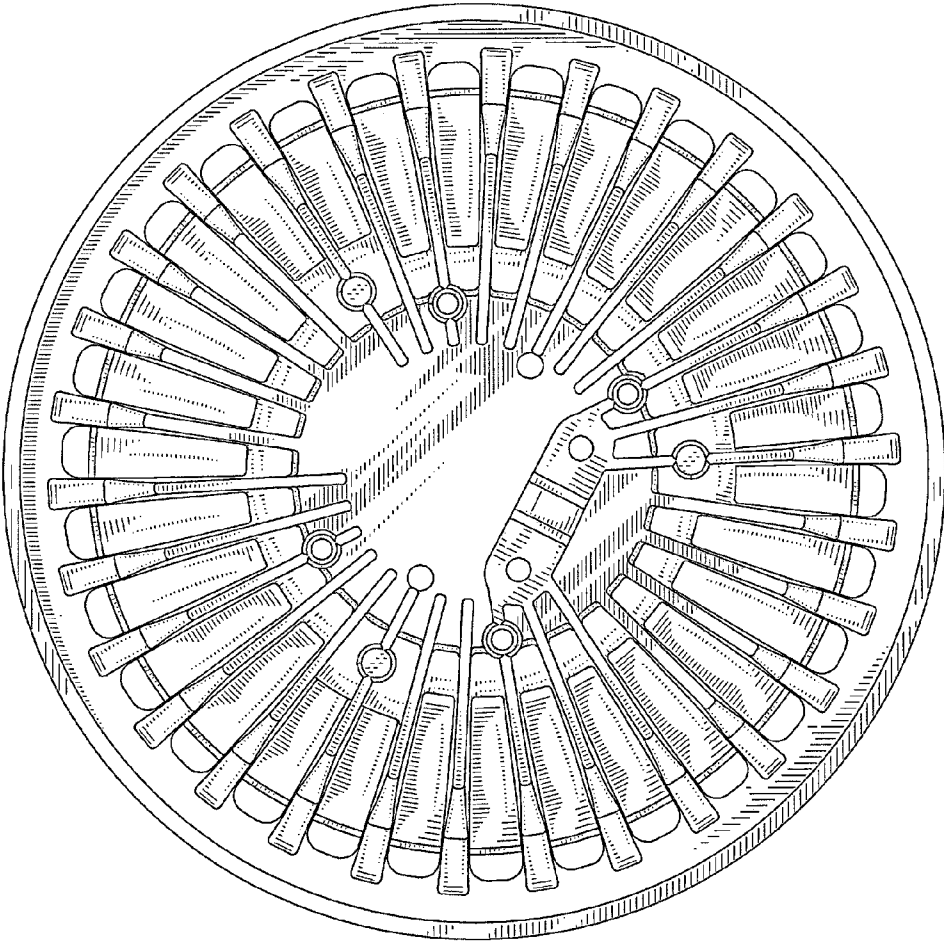


FIG. 7