US00D569542S

(12) United States Design Patent

Toda

(10) Patent No.: US D569,542 S
(45) Date of Patent: ** May 20, 2008

(54) **LENS FOR LIGHT**

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(73) Assignee: **Toshiba Lighting & Technology Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/262,978**

(22) Filed: **Jul. 13, 2006**

(30) **Foreign Application Priority Data**

Jan. 20, 2006 (JP) 2006-001188

(51) **LOC (8) Cl.** **26-99**
(52) **U.S. Cl.** **D26/122**
(58) **Field of Classification Search** D26/123, D26/128, 142, 118, 65, 125, 147, 74, 138, D26/113, 24, 61, 63, 133, 120, 67, 85, 32, D26/60, 73, 93, 94, 98, 103, 122, 124, 129, D26/137, 151, 152, 153, 156; D21/484, D21/490; D13/110; 206/223; 362/351, 362/330, 363
See application file for complete search history.

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(57) **CLAIM**

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

DESCRIPTION

FIG. **1** is a front view of a lens for light showing the new design.

FIG. **2** is a rear view thereof.

FIG. **3** is a right side view thereof, the left side view being a mirror image of the right side view.

FIG. **4** is a top view thereof, the bottom view being a mirror image of the top view.

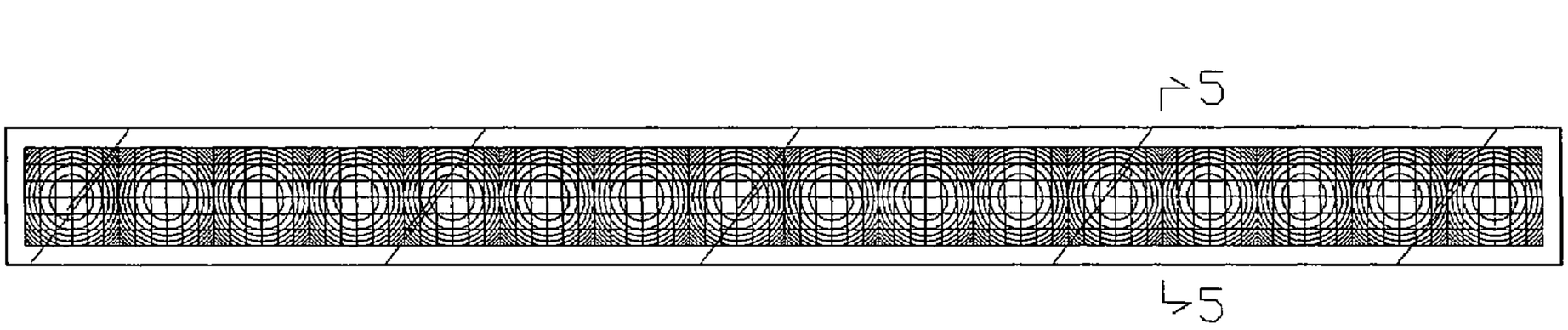
FIG. **5** is a partial enlarge view taken along line **5**—**5** in FIG. **1**.

FIG. **6** is a partial enlarge view taken along line **6**—**6** in FIG. **4**; and,

FIG. **7** is an end elevational view in section taken along line **7**—**7** in FIG. **6**.

The claimed lens for light comprises two transparent lens plates that are overlaid on each other. The claimed lens for light is suited to be disposed in front of illuminating elements arranged on a substrate in a linear array for controlling the distribution of luminous intensity. There is a plurality of fly-eye lenses arranged on the inner surfaces of the front and rear lens plates in a grid array, and there is a plurality of Fresnel lenses arranged on the outer surface of the rear lens plate in a linear array.

1 Claim, 5 Drawing Sheets



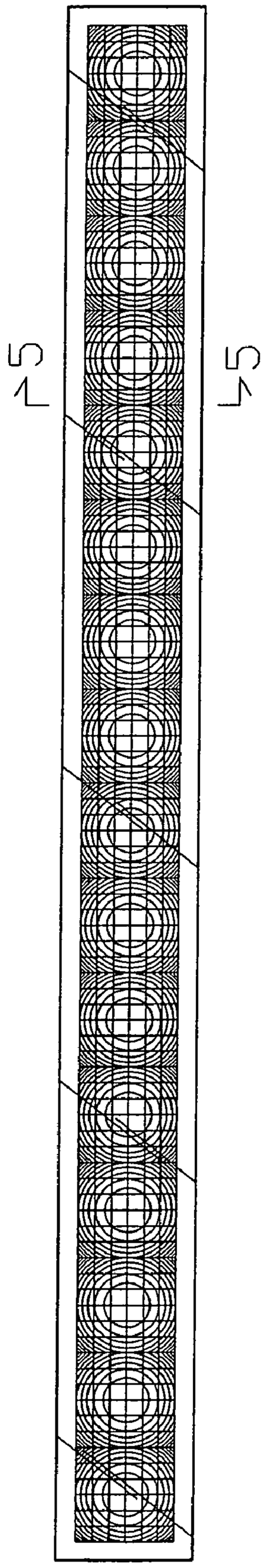


FIG. 1

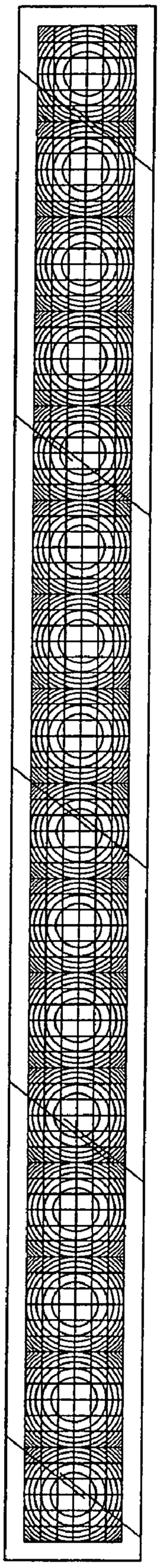


FIG. 2

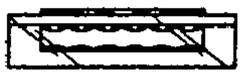


FIG. 3

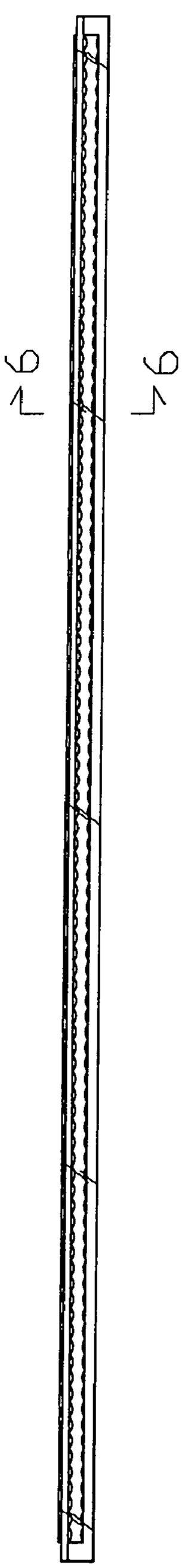


FIG. 4

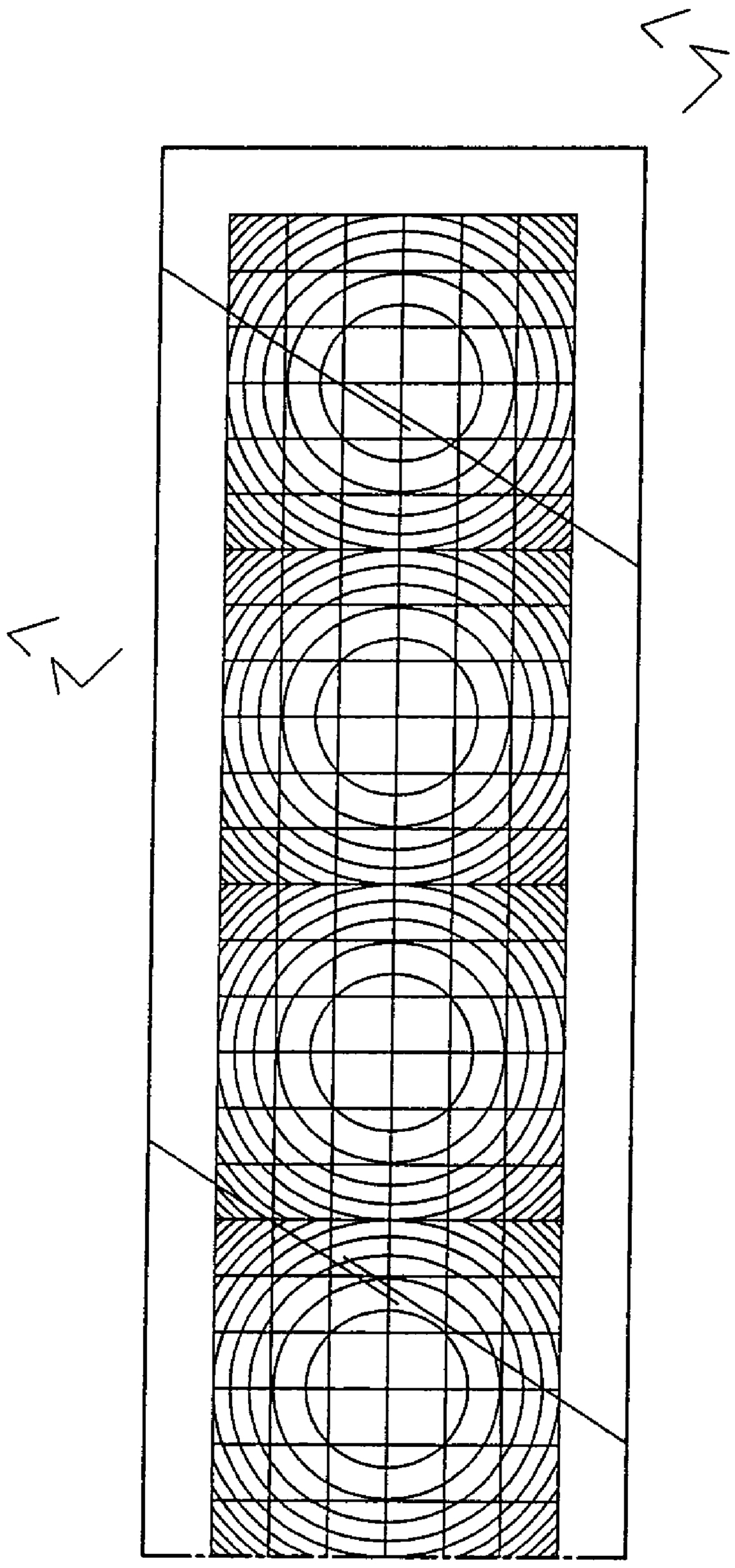


FIG. 5

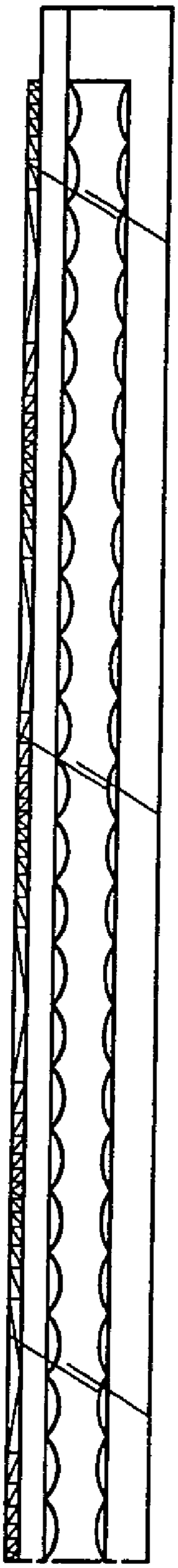


FIG. 6

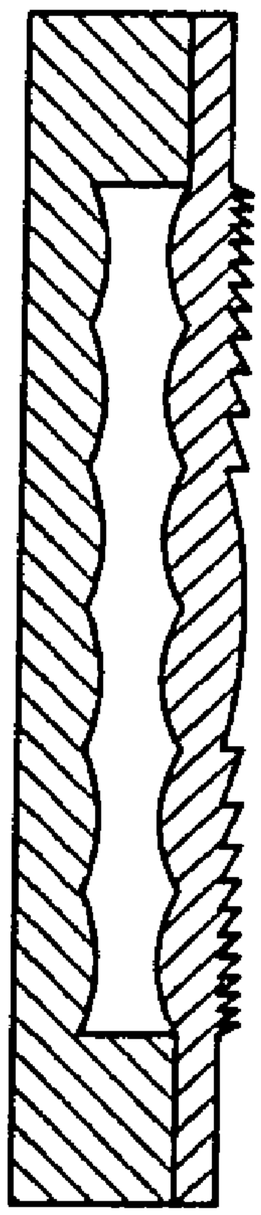


FIG. 7