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United States Patent [19]

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Ikegami et al.

[45] Date of Patent: **Oct. 27, 1992**

[54] **HEADLAMP**

294598	12/1988	Fed. Rep. of Germany	362/80
63158701	7/1988	Japan	.
6441484	2/1989	Japan	.
1244934	9/1989	Japan	.

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[21] Appl. No.: **647,439**

[22] Filed: **Jan. 29, 1991**

[30] **Foreign Application Priority Data**

Jan. 31, 1990	[JP]	Japan	2-21073
Feb. 15, 1990	[JP]	Japan	2-32596

[51] Int. Cl.⁵ **B60Q 1/02; B60Q 1/10**

[52] U.S. Cl. **362/71; 362/61; 362/72; 362/284; 362/319**

[58] Field of Search **362/61, 66, 71, 72, 362/80, 284, 324, 322, 277, 319, 351, 282**

[56] **References Cited**

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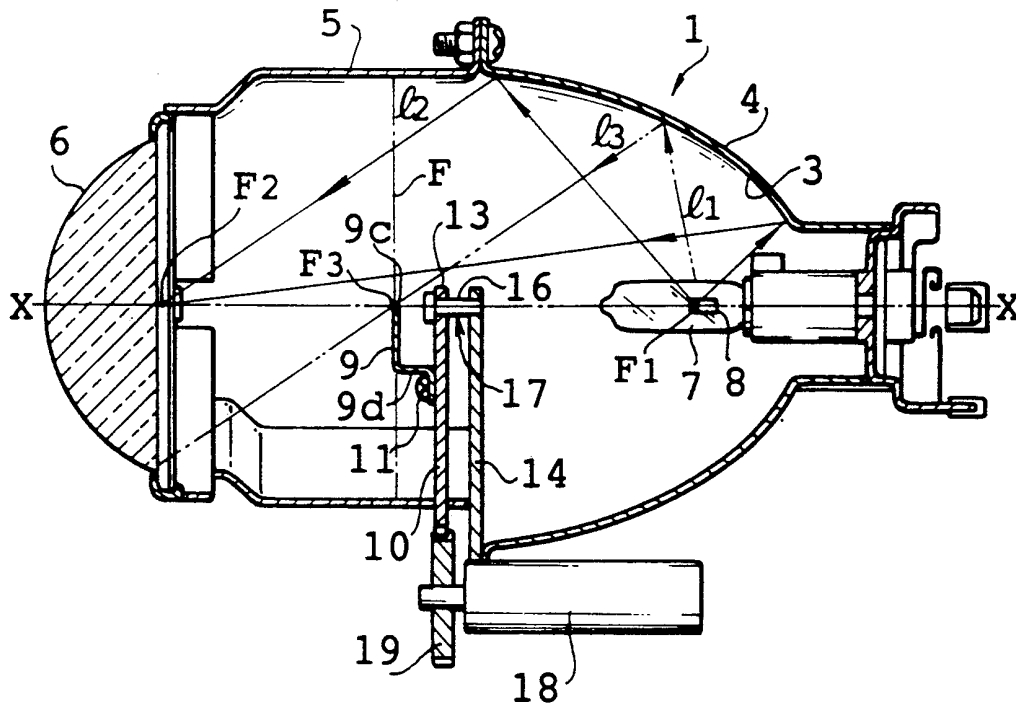
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[57] **ABSTRACT**

A headlamp provided with correcting means for correcting a light distribution characteristic which is caused by an inclination of a vehicle body with respect to a road surface. An outer lens section fixed to the vehicle body is provided forwardly of a lamp body section of the projector type which is pivoted around an optical axis so as to maintain the light distribution characteristic horizontal in response to the inclination of the vehicle body, and the outer lens section has a lens cut formed thereon for diffusing a variation component of passing light to a turning direction when the car body is inclined for turning. Alternatively a light stopping plate for stopping a part of light advancing from a reflecting mirror toward a convex lens is provided at a position of a focus of the convex lens on the reflecting mirror side for tilting around an optical axis, and a bearing for tiltably supporting the light stopping plate is provided on the optical axis in a displaced relationship to the reflecting mirror side with respect to the light stopping plate.

5 Claims, 6 Drawing Sheets



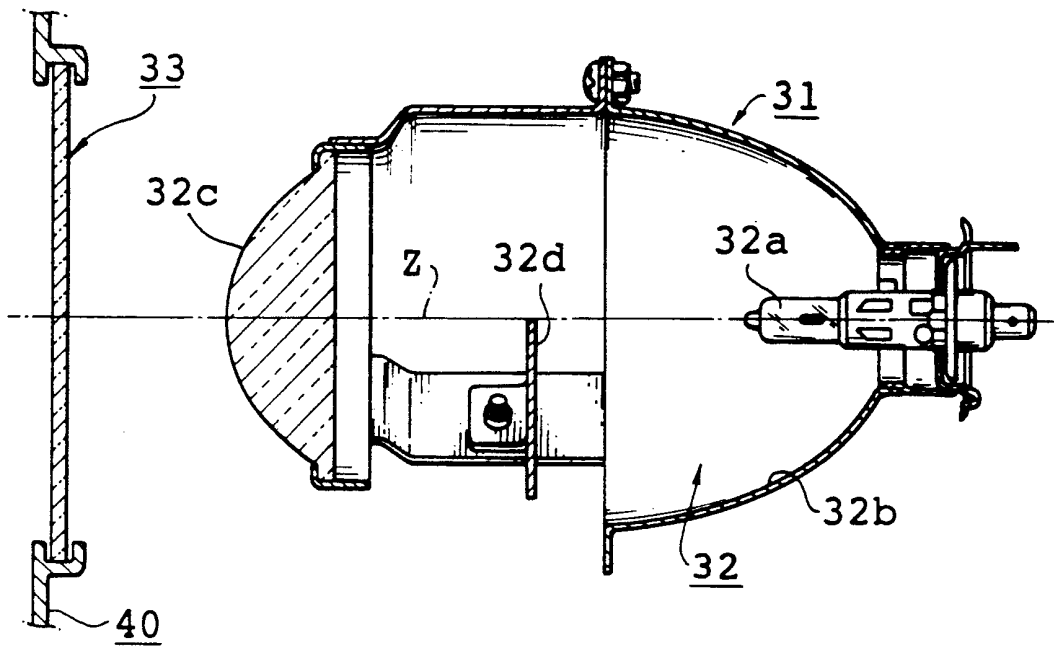


FIG. 1

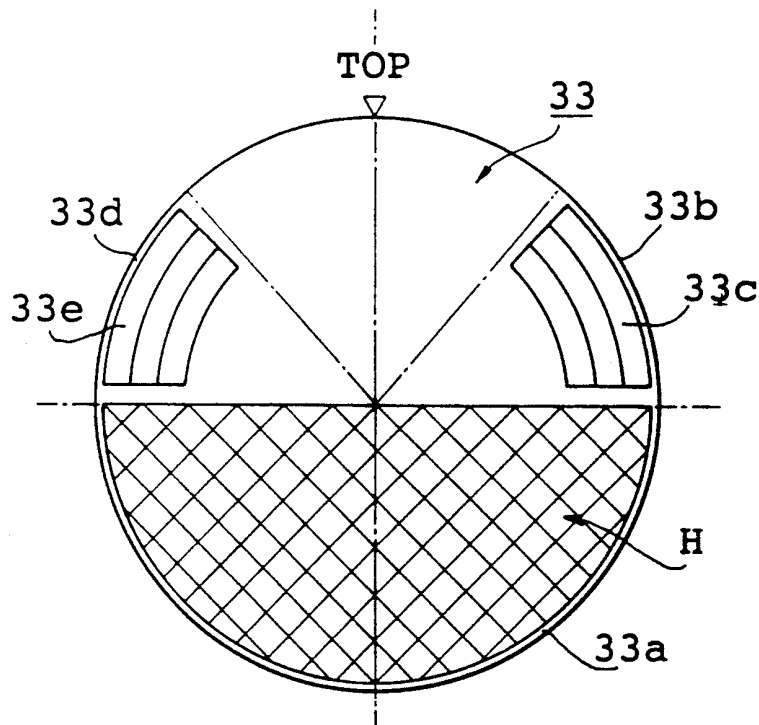


FIG. 2

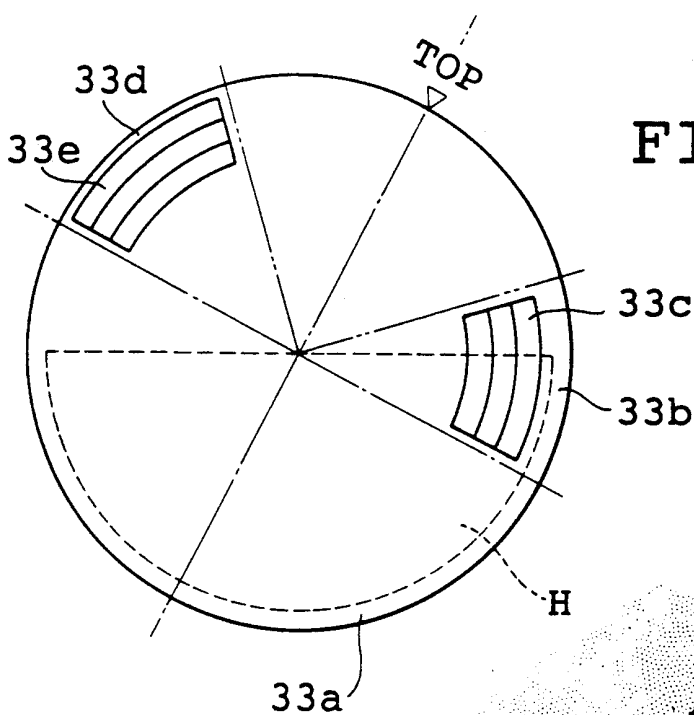


FIG. 3

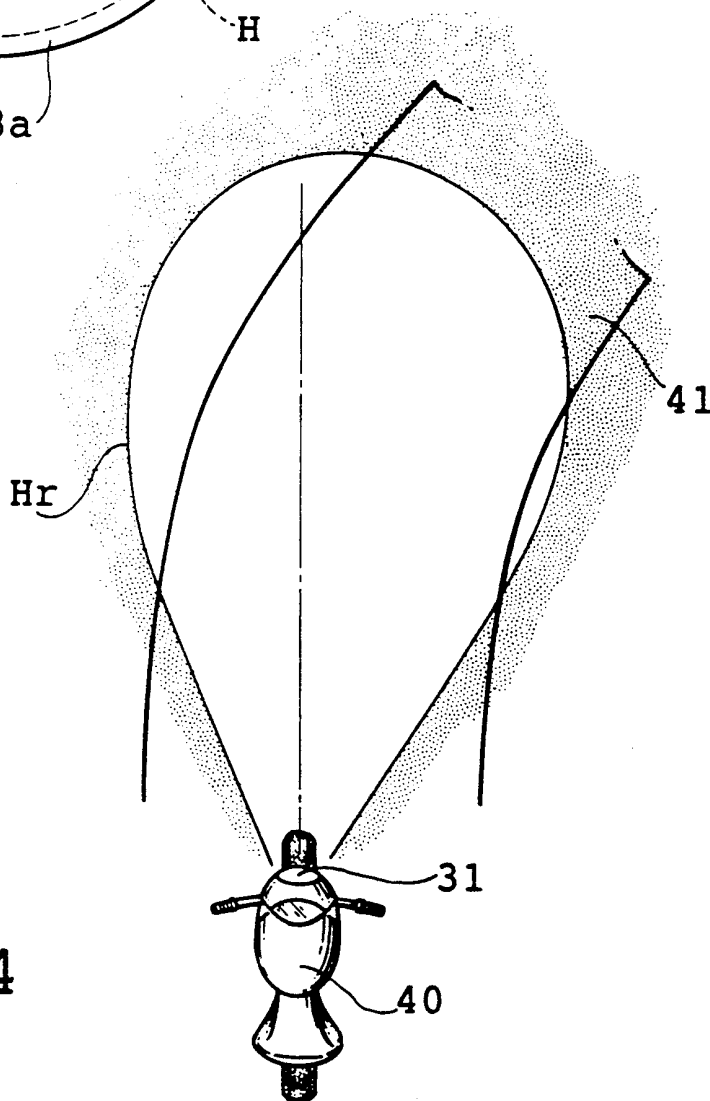


FIG. 4

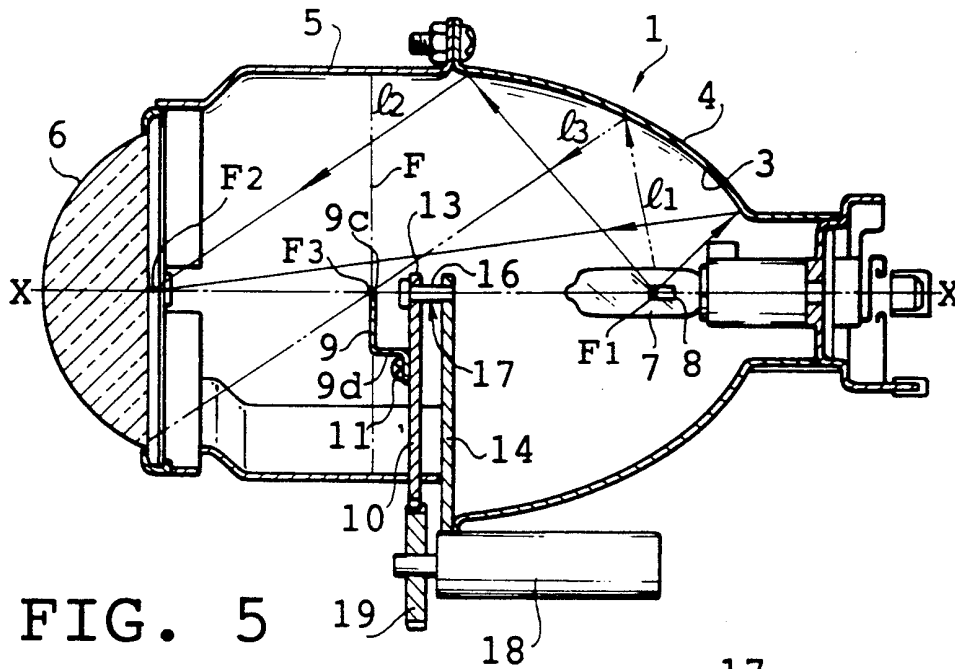


FIG. 5

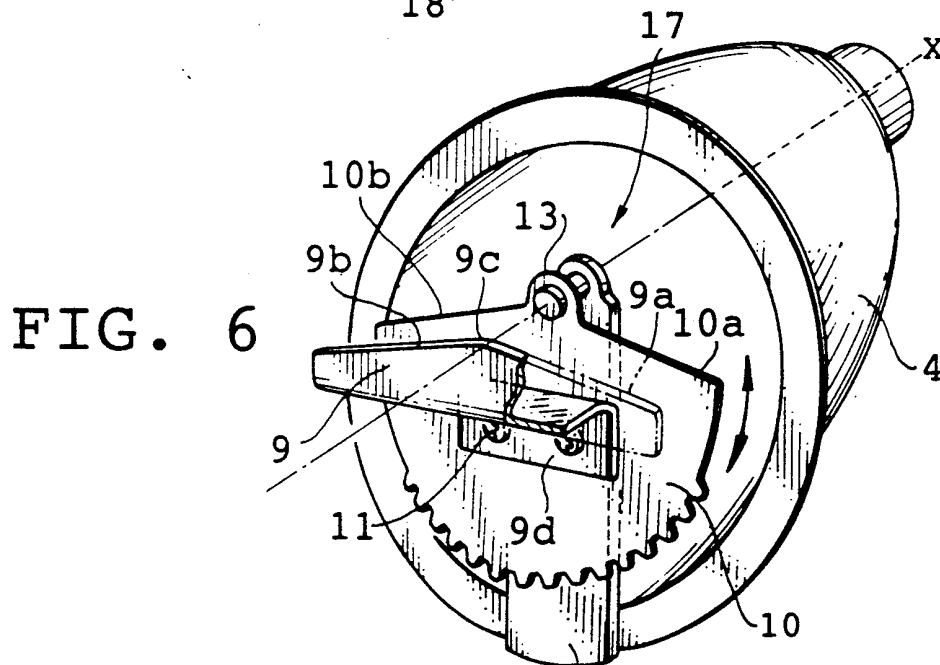


FIG. 6

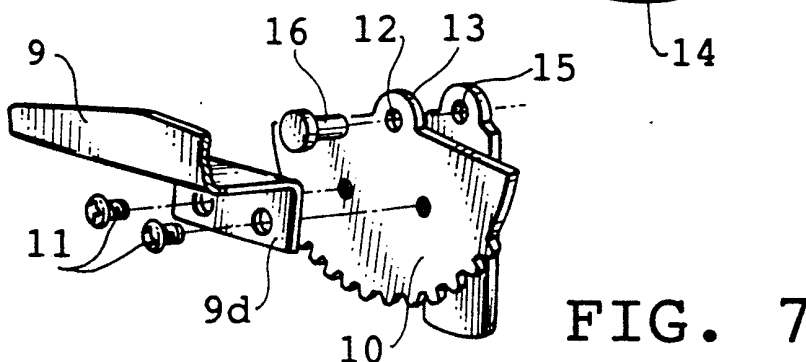


FIG. 7

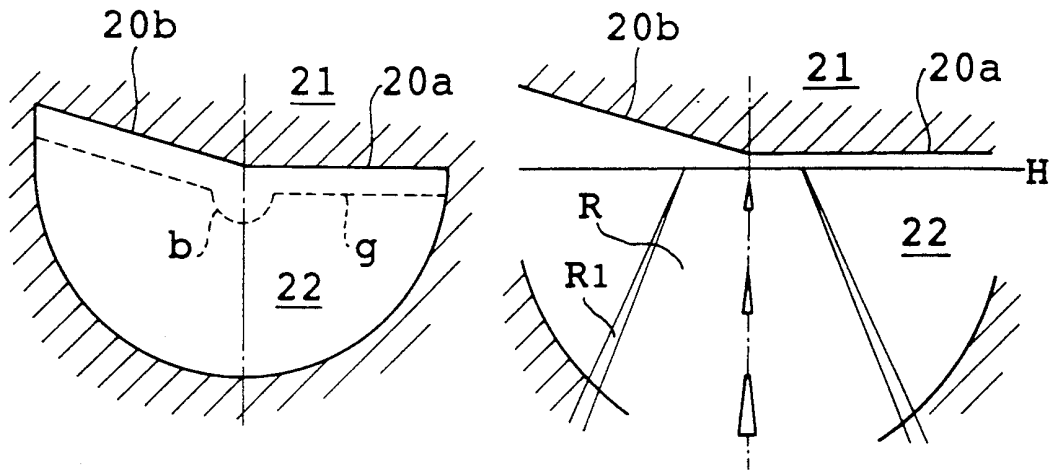


FIG. 8a

FIG. 8b

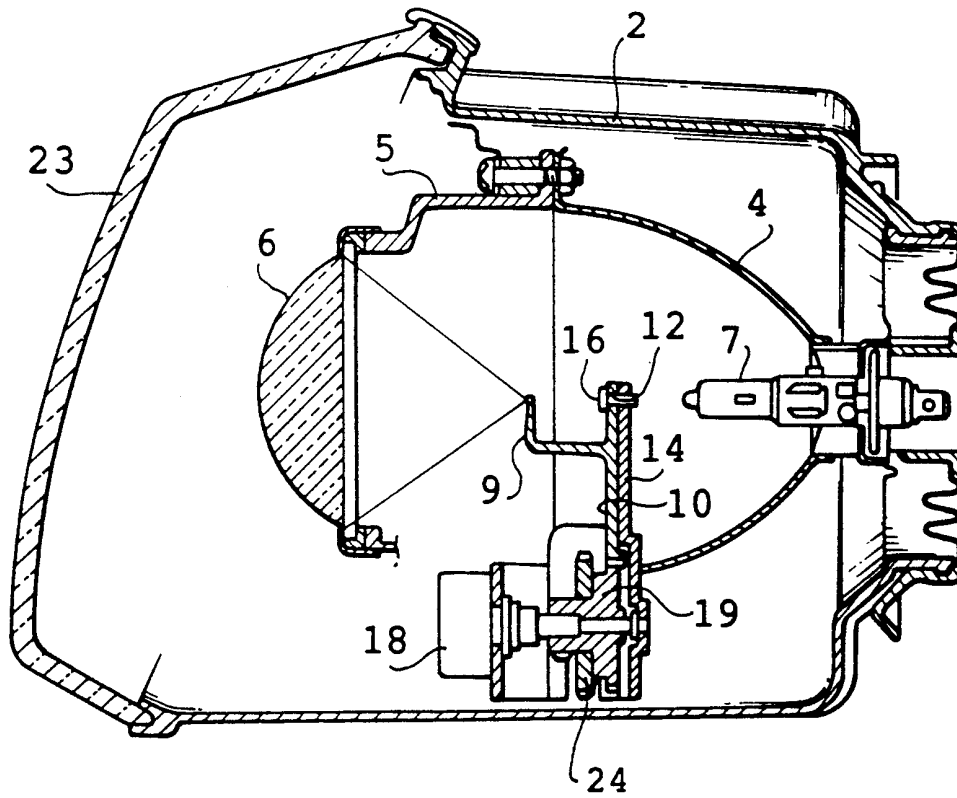


FIG. 9

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