

Title (en)

An optical axis adjusting apparatus of a projector type headlight.

Title (de)

Vorrichtung zum Einstellen der optischen Achse eines Fahrzeugscheinwerfers.

Title (fr)

Dispositif de réglage de l'axe optique d'un phare de véhicule.

Publication

EP 0275095 A2 19880720 (EN)

Application

EP 88100403 A 19880113

Priority

- JP 289587 U 19870114
- JP 2290887 U 19870220

Abstract (en)

An optical axis adjusting apparatus of a projector type headlight (10) including a bracket (34, 36) for supporting a frame (22) integrally fixed with the lamp unit composed of a reflector (12), a light source (16), a shade (18) for shaping the light reflected by the reflector (12) and condensed at a predetermined region suitably, and a convex lens (20) for forwardly projecting the shaped light. The bracket's position is adjustable with respect to the lamp housing, and the bracket supports the frame rotatably around the horizontal and vertical axes perpendicular with respect to the reflector's axis (Z-Z). The rotation around the horizontal axis (X-X) is effected by an adjusting screw rod (63) which is screwed to a nut (66) fixed at a portion of the frame and rotatable without moving in the reflector's axis direction, and on the other hand the rotation around the vertical axis (Y-Y) is effected by another adjusting screw rod (61) which is screwed to a nut (64) fixed at a portion of the bracket and rotatable without moving in the reflector's axis direction with respect to the housing. By this, the direction of the optical axes of the lamp unit is easily adjusted and the adjusted position thereof is held surely.

IPC 1-7

F21M 3/18

IPC 8 full level

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Cited by

EP2338728A1; EP0355529A3; EP0590439A3; DE10262294B4; EP1739346A1; FR2887960A1; DE102004061484A1; DE102004061484B4; EP1762430A1; EP1270321A3; FR2651857A1; ES2293844A1; CN102878453A; FR2826323A1; FR2656575A1; US5117335A; EP2687406A1; US2014022806A1; US9381849B2; WO2014082817A1

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