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(54) Title (EN): METHOD FOR DETERMINING THE ZERO POSITION OF A MIRROR MECHANISM IN A VEHICLE HEADLIGHT

(54) Title (FR): PROCÉDÉ POUR DÉTERMINER LA POSITION ZÉRO D'UN DISPOSITIF RÉFLECTEUR DANS UN PHARE DE VÉHICULE

(54) Title (DE): VERFAHREN ZUM BESTIMMEN DER NULLPOSITION EINER SPIEGELEINRICHTUNG IN EINEM FAHRZEUG-SCHWEINWERFER

(57) Abstract:

(EN): In order to determine a zero position of the actuator (14) of a headlight beam adjustment device of a lighting module (10) in a vehicle headlight, light emitted by a light source (1) is directed onto an absorber surface (12). The absorber surface (12) has an opening which light penetrates as a restricted light beam (17). The actuator (14) is used to pivotally adjust the angular position of the lighting module (10), and a photosensitive sensor (15) located behind the absorber surface (12) detects an intensity of the light beam (17) penetrating the opening.

(FR): Afin de déterminer une position zéro du mécanisme de commande (14) d'une régulation de portée lumineuse d'un module lumineux (10) dans un phare de véhicule, la lumière émise par la source lumineuse (1) est guidée sur une surface d'absorption (12). Ladite surface d'absorption (12) présente une ouverture par laquelle passe la lumière sous forme de faisceau lumineux (17) défini. Le mécanisme de commande (14) permet de faire pivoter le module lumineux (1) en termes de position angulaire, un détecteur (15) photosensible, disposé derrière la surface d'absorption (12), permettant quant à lui de détecter une intensité du faisceau lumineux (17) passant à travers l'ouverture.

(DE): Zur Bestimmung einer Nullposition des Stellantriebs (14) einer Leuchtweitenregelung eines Lichtmoduls (10) in einem Scheinwerfer für Fahrzeuge, wird von der Lichtquelle (1) ausgehendes Licht auf eine Absorberfläche (12) geleitet. Die Absorberfläche (12) weist eine Öffnung auf, durch die Licht als begrenzter Lichtstrahl (17) hindurchtritt. Mittels des Stellantriebs (14) wird das Lichtmodul (10) hinsichtlich seiner Winkelposition verschwenkt, wobei mittels eines lichtempfindlichen Sensor (15), der hinter der Absorberfläche (12) angeordnet ist, eine Intensität des durch die Öffnung hindurchtretenden Lichtstrahls (17) detektiert wird.

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))