

Title (en)

METHOD FOR DETERMINING A PITCHING MOVEMENT IN A CAMERA INSTALLED IN A VEHICLE, AND METHOD FOR CONTROLLING A LIGHT EMISSION FROM AT LEAST ONE HEADLAMP ON A VEHICLE

Title (de)

VERFAHREN ZUM BESTIMMEN EINER NICKBEWEGUNG EINER IN EINEM FAHRZEUG VERBAUTEN KAMERA UND VERFAHREN ZUR STEUERUNG EINER LICHTAUSSENDUNG ZUMINDEST EINES FRONTSCHWEINWERFERS EINES FAHRZEUGS

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'UN MOUVEMENT DE TANGAGE D'UNE CAMÉRA MONTÉE DANS UN VÉHICULE ET PROCÉDÉ DE COMMANDE D'UNE ÉMISSION LUMINEUSE D'AU MOINS UN PHARE AVANT D'UN VÉHICULE

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Application

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Abstract (en)

[origin: WO2012163631A1] The invention proposes a method (500) for determining a pitching movement in a camera installed in a vehicle. The method (500) has a step of first image gradient data being produced (510) from a first camera image, wherein the first image gradient data represent a brightness alteration for adjacent pixels in the first camera image along a vertical axis of the first camera image, and of second image gradient data being produced (510) from a second camera image, recorded subsequently to the first camera image, wherein the second image gradient data represent a brightness alteration for adjacent pixels in the second camera image along a vertical axis of the second camera image. The method (500) also has a step of at least one image displacement value, which represents displacement of a pixel in the second camera image relative to a corresponding pixel in the first camera image, being generated (520). In this case, said at least one image displacement value is generated (520) by using the first image gradient data and the second image gradient data. The method (500) also has a step of a pitching movement being ascertained (530) on a basis of the at least one image displacement value in order to determine the pitching movement of the camera.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012163631A1

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