

Title (en)

DETERMINING A CURRENT FOCUS AREA OF A CAMERA IMAGE ON THE BASIS OF THE POSITION OF THE VEHICLE CAMERA ON THE VEHICLE AND ON THE BASIS OF A CURRENT MOTION PARAMETER

Title (de)

FESTLEGEN EINES AKTUELLEN FOKUSBEREICHES EINES KAMERABILDES BASIEREND AUF DER POSITION DER FAHRZEUGKAMERA AN DEM FAHRZEUG UND EINEM AKTUELLEN BEWEGUNGSPARAMETER

Title (fr)

DÉTERMINATION D'UNE ZONE DE FOCALISATION ACTUELLE D'UNE IMAGE DE CAMÉRA SUR LA BASE DE LA POSITION DE LA CAMÉRA DE VÉHICULE SUR LE VÉHICULE ET SUR LA BASE D'UN PARAMÈTRE DE MOUVEMENT ACTUEL

Publication

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Application

EP 21711810 A 20210309

Priority

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- EP 2021055847 W 20210309

Abstract (en)

[origin: WO2021180679A1] The invention relates to a method for providing an environment image (36) on the basis of a camera image (30) of a vehicle camera (14, 16, 18, 20) of a vehicle (10) for monitoring an environment (28) of the vehicle (10), the camera image (30) comprising a camera image area having a camera resolution, for further processing, in particular by means of a driving assistance system of the vehicle (10), the method comprising the steps of: ascertaining a position of the vehicle camera (14, 16, 18, 20) on the vehicle (10), capturing at least one current motion parameter (44) of the vehicle (10), determining a current focus area (32) within the camera image (30) on the basis of the position of the vehicle camera (14, 16, 18, 20) on the vehicle (10) and on the basis of the at least one current motion parameter (44), and transferring pixels of the camera image (30) into the environment image (36), pixels from the current focus area (32) being transferred, with a first resolution, into a first image area (40) of the environment image (36) which corresponds to the current focus area (32), and pixels of the camera image (30) from a remaining area (34) which does not lie in the current focus area (32) being transferred, with a second resolution, into a second image area (42) of the environment image (36) which corresponds to said remaining area, the second resolution being less than the first resolution. The invention further relates to an image unit (12) for providing an environment image using the method above and to a driving assistance system comprising at least one image unit (12) of this type.

IPC 8 full level

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Citation (search report)

See references of WO 2021180679A1

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