

Title (en)

CAMERA MONITOR SYSTEM, VEHICLE THEREWITH AND METHOD FOR ADJUSTING THE SAME

Title (de)

KAMERAMONITORSYSTEM, FAHRZEUG DAMIT UND VERFAHREN ZU DESSEN EINSTELLUNG

Title (fr)

SYSTÈME DE SURVEILLANCE DE CAMÉRA, VÉHICULE ÉQUIPÉ DE CE DERNIER ET PROCÉDÉ DE RÉGLAGE DE CE DERNIER

Publication

EP 4377153 A1 20240605 (EN)

Application

EP 22760875 A 20220727

Priority

- DE 102021119669 A 20210728
- EP 2022071114 W 20220727

Abstract (en)

[origin: WO2023006832A1] The disclosure relates to a camera monitor system (10) for a motor vehicle (22), in particular in the form of a truck, preferably with a trailer, comprising: a camera (12) adapted to be attached to a motor vehicle (22) and having at least one field of view (FOV) (24, 26, 44, 46, 52, 54), and a controller (18), wherein the camera (12) comprises a lens (16) with a lens center axis (36) and an imager (14), and wherein the imager (14) has an imaging center (34) aligned with the lens center axis (36) and an array of pixels which is divided into a first imager area (32, 32a, 32b) and a second imager area (33, 33a, 33b), wherein the first imager area (32, 32a, 32b) has a first imager area center (38, 38a, 38b) which is offset from the lens center axis (36). The first imager area (32, 32a, 32b) is an active imager area (32, 32a, 32b) defined by an array subset of activated pixels, the second imager area (33, 33a, 33b) is an inactive imager area (33, 33a, 33b) defined by an array subset of deactivated pixels, and the controller (18) only receives image data from the activated pixels in the active imager area (32, 32a, 32b) and not from the deactivated pixels in the inactive imager area (33, 33a, 33b). Further, the disclosure relates to a vehicle (22) with such a to a camera monitor system (10) as well as a method (100) for adjusting such a motor vehicle camera monitor system (10).

IPC 8 full level

B60R 1/00 (2022.01); **H04N 7/18** (2006.01); **H04N 23/60** (2023.01); **H04N 25/44** (2023.01)

CPC (source: EP)

B60R 1/26 (2022.01); **H04N 7/183** (2013.01); **H04N 17/002** (2013.01); **H04N 23/69** (2023.01); **H04N 25/44** (2023.01); **B60R 2300/306** (2013.01); **B60R 2300/70** (2013.01); **B60R 2300/8046** (2013.01); **H04N 25/443** (2023.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2023006832 A1 20230202; EP 4377153 A1 20240605

DOCDB simple family (application)

EP 2022071114 W 20220727; EP 22760875 A 20220727