

Title (en)

CAMERA DEVICE AND METHOD FOR CAPTURING A SURROUNDING REGION OF A VEHICLE IN A SITUATION-ADAPTED MANNER

Title (de)

KAMERAVORRICHTUNG SOWIE VERFAHREN ZUR SITUATIONSANGEPASSTEN ERFASSUNG EINES UMGEBUNGSBEREICHES EINES FAHRZEUGS

Title (fr)

DISPOSITIF FORMANT CAMÉRA ET PROCÉDÉ DE DÉTECTION ADAPTÉE À LA SITUATION D'UNE ZONE ENVIRONNANTE D'UN VÉHICULE

Publication

**EP 3552144 A1 20191016 (DE)**

Application

**EP 17725161 A 20170411**

Priority

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Abstract (en)

[origin: WO2018103795A1] The invention relates to a camera device for capturing a surrounding region of an own vehicle. The camera device comprises optronics and an image capture control unit, which are configured to record an image sequence of the surrounding region. The optronics comprise a wide-angle optical unit and a high-resolution image recording sensor. The optronics and the image capture control unit are configured or designed – for an image of the image sequence in each case to generate an image (6) of the entire capture region of the optronics, the resolution of which image (6) is reduced by means of pixel binning, or to capture a partial region (1; 2; 3; 4; 5) of the capture region of the optronics with maximum resolution; – depending on a current traffic and/or surroundings situation (current situation) either to generate a binned image (6) having reduced resolution (e.g. 1/4 of the pixels) of the image recording sensor or to capture an image of an unbinned partial region (1; 2; 3; 4; 5), – wherein height and width of the partial region (1; 2; 3; 4; 5) are defined depending on the current situation, and – wherein the size of the partial region (1; 2; 3; 4; 5) is defined in such a way that the number of pixels of the image of the partial region (1; 2; 3; 4; 5) is not greater than the number of pixels of the resolution-reduced image (6) of the entire capture region of the optronics.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2018103795A1

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