Title (en)

METHOD FOR DETERMINING THE ROLL ANGLE OF AN OPTOELECTRONIC SENSOR USING SCANNING POINTS OF A SENSOR IMAGE, AND OPTOELECTRONIC SENSOR

Title (de)

VERFAHREN ZUM BESTIMMEN EINES ROLLWINKELS EINES OPTOELEKTRONISCHEN SENSORS MITTELS ABTASTPUNKTEN EINES SENSORBILDES SOWIE OPTOELEKTRONISCHER SENSOR

Title (fr)

PROCÉDÉ PERMETTANT DE DÉTERMINER UN ANGLE DE ROULIS D'UN CAPTEUR OPTOÉLECTRONIQUE AU MOYEN DE POINTS DE BALAYAGE D'UNE IMAGE DU CAPTEUR ET CAPTEUR OPTOÉLECTRONIQUE

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Application

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Abstract (en)

[origin: WO2019211149A1] The invention relates to a method for determining the roll angle (α) of an optoelectronic sensor (5) of a motor vehicle (1). The optoelectronic sensor comprises at least one transmission device (6), at least one receiving unit (7), and at least one analysis unit (10). The method has the following steps: - transmitting light beams (8) into the surroundings (4) of the motor vehicle (1) by means of the transmission device (7), and - receiving light beams (8) reflected on an object (3) by means of the receiving unit (7), wherein the received light beams (8) are represented by the analysis unit (10) as scanning points (17A, 17B, 17C) in a sensor image of the surroundings of the motor vehicle (1), said sensor image being generated by the optoelectronic sensor (5), and the roll angle (α) between at least one scan axis (18) and at least one reference axis (19) is determined by the analysis unit (10). The scan axis (18) is formed by at least one scanning point (15, 16, 20, 21) of a base structure (13) and a reference point (17) of the reference axis (19) of the optoelectronic sensor (5). The invention additionally relates to an optoelectronic sensor (5).

IPC 8 full level

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CPC (source: EP KR US)

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