Title (en)

RADAR SYSTEM FOR MONITORING AT LEAST ONE MONITORING REGION, VEHICLE COMPRISING AT LEAST ONE RADAR SYSTEM AND METHOD FOR OPERATING A RADAR SYSTEM

Title (de)

RADARSYSTEM ZU ÜBERWACHUNG WENIGSTENS EINES ÜBERWACHUNGSBEREICHS, FAHRZEUG MIT WENIGSTENS EINEM RADARSYSTEM UND VERFAHREN ZUM BETREIBEN EINES RADARSYSTEMS

Title (fr)

SYSTÈME RADAR PERMETTANT LA SURVEILLANCE D'AU MOINS UNE ZONE, VÉHICULE ÉQUIPÉ D' AU MOINS UN SYSTÈME RADAR ET PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME RADAR

Publication

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Application

EP 21815147 A 20211116

Priority

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Abstract (en)

[origin: WO2022106376A1] The invention relates to a radar system (12) for monitoring at least one monitoring region, to a vehicle comprising a radar system (12) and to a method for operating a radar system (12). The radar system (12) comprises at least one radar sensor (14) having at least one antenna device (32) for transmitting radar signals and receiving radar echoes, at least one signal type conversion device (34), at least one sensor signal processing device (40) and at least one sensor interface (44). The radar system (12) also comprises at least one central processor (62) having at least one processor interface (60) and at least one central detection information processor (64). The radar system (12) further comprises at least one transmission medium (57) which functionally connects at least one sensor interface (44) to at least one processor interface (60). At least one sensor signal processing device (40) comprises at least one basic detection information determination device (42) for determining non-calibrated basic detection information from receiving signals. At least one central processor (62) has at least one detection meta detection information determination device (66) for determining calibrated meta detection information from basic detection information using calibration data and at least one calibration data memory (68) for storing calibration data.

IPC 8 full level

G01S 7/40 (2006.01); **G01S 7/03** (2006.01); **G01S 7/41** (2006.01); **G01S 13/42** (2006.01); **G01S 13/58** (2006.01); **G01S 13/87** (2006.01); **G01S 13/931** (2020.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2022106376A1

Designated contracting state (EPC)

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