

Title (en)

LONG-RANGE OBJECT DETECTION SYSTEM

Title (de)

WEITBEREICHS-OBJEKTERFASSUNGSSYSTEM

Title (fr)

SYSTÈME DE DÉTECTION D'OBJETS LONGUE PORTÉE

Publication

EP 3999872 A1 20220525 (FR)

Application

EP 20740028 A 20200717

Priority

- FR 1908060 A 20190718
- EP 2020070322 W 20200717

Abstract (en)

[origin: WO2021009359A1] The invention describes a three-dimensional object detection system comprising: - a transmission device (201) configured to transmit signals according to a coloured transmission method in a first plane, - a reception device comprising at least two sensors (211, 212) arranged in a second plane perpendicular to the first plane, and - means for processing (230) the transmitted and received signals, in which the reception device is raised relative to the transmission device, and in which the processing means are configured to detect the presence of objects: - in the first plane from the signals received from at least one of the sensors using the colouring of the transmitted signal, - in the second plane from the signals received from at least two of the sensors. The invention also describes the method for determining the presence of objects and for estimating the associated direction and distance thereof.

IPC 8 full level

G01S 13/00 (2006.01); **B64B 1/40** (2006.01); **G01S 13/28** (2006.01); **G01S 13/42** (2006.01)

CPC (source: EP US)

G01S 13/003 (2013.01 - EP); **G01S 13/286** (2013.01 - EP); **G01S 13/42** (2013.01 - EP US); **G01S 13/88** (2013.01 - US); **G01S 15/04** (2013.01 - US); **G01S 13/347** (2013.01 - EP); **G01S 13/4454** (2013.01 - EP)

Citation (search report)

See references of WO 2021009359A1

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Designated extension state (EPC)

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