

Title (en)

TRANSMISSION DEVICE OF AN OPTICAL DETECTION DEVICE, DETECTION DEVICE, VEHICLE, AND METHOD

Title (de)

SENDEEINRICHTUNG EINER OPTISCHEN DETEKTIONSVORRICHTUNG, DETEKTIONSVORRICHTUNG, FAHRZEUG UND VERFAHREN

Title (fr)

DISPOSITIF DE TRANSMISSION D'UN DISPOSITIF DE DÉTECTION OPTIQUE, DISPOSITIF DE DÉTECTION, VÉHICULE ET PROCÉDÉ

Publication

**EP 4189422 A1 20230607 (DE)**

Application

**EP 21746716 A 20210720**

Priority

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- EP 2021070231 W 20210720

Abstract (en)

[origin: WO2022023117A1] The invention relates to a transmission device (22) of an optical detection device (12) for monitoring at least one monitoring region (14) for objects (18) using electromagnetic transmission signals (28). The invention also relates to a detection device (12), to a vehicle (10), and to a method for operating the optical detection device (12). The transmission device (22) comprises at least one signal source (32), by means of which electromagnetic transmission signals (28) can be generated, and at least one signal influencing device (34), by means of which the electromagnetic transmission signals (28) can be influenced. The at least one signal influencing device (34) has at least two different optical diffuser regions (40a, 40b, 40c, 40d) which are arranged adjacently to one another when viewed at least in a direction transverse to the optical axis (36) of the at least one signal source (32) and which have different scattering properties with respect to the electromagnetic transmission signals (28).

IPC 8 full level

**G01S 7/481** (2006.01); **G01S 13/931** (2020.01); **G01S 17/931** (2020.01)

CPC (source: EP US)

**G01S 7/4814** (2013.01 - EP US); **G01S 7/4816** (2013.01 - EP); **G01S 17/931** (2020.01 - EP US); **G01S 2013/93274** (2020.01 - EP US)

Citation (search report)

See references of WO 2022023117A1

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BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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