

Title (en)

OPTICAL ASSEMBLY AND A LIDAR DEVICE HAVING AN OPTICAL ASSEMBLY OF THIS TYPE

Title (de)

OPTISCHE ANORDNUNG UND EINE LIDAR-VORRICHTUNG MIT EINER DERARTIGEN OPTISCHEN ANORDNUNG

Title (fr)

ENSEMBLE OPTIQUE ET SYSTÈME LIDAR MUNI DUDIT ENSEMBLE OPTIQUE

Publication

**EP 3574345 A1 20191204 (DE)**

Application

**EP 18700996 A 20180115**

Priority

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- EP 2018050812 W 20180115

Abstract (en)

[origin: WO2018137950A1] The invention relates to an optical assembly for receiving light waves, comprising a receiver optic for focusing at least one incoming light wave onto a surface of a detector for detecting the at least one light wave, wherein at least one diffractive optical element is arranged with a planar extension between the receiver optic and the detector, and wherein the at least one diffractive optical element has a surface with a surface structure with at least one optical function. The invention also relates to a LIDAR device having an optical assembly of this type.

IPC 8 full level

**G01S 7/481** (2006.01); **G01S 17/42** (2006.01)

CPC (source: EP KR US)

**G01S 7/4816** (2013.01 - EP KR US); **G01S 7/4817** (2013.01 - EP KR US); **G01S 17/42** (2013.01 - EP KR US); **G02B 5/1814** (2013.01 - US)

Citation (search report)

See references of WO 2018137950A1

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Designated extension state (EPC)

BA ME

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