

Title (en)

OPTICAL DEVICE FOR A DISTANCE MEASURING DEVICE ACCORDING TO THE LIDAR PRINCIPLE

Title (de)

OPTISCHE VORRICHTUNG FÜR EINE ABSTANDSMESSVORRICHTUNG NACH DEM LIDAR-PRINZIP

Title (fr)

DISPOSITIF OPTIQUE POUR UN DISPOSITIF DE MESURE DE DISTANCE SELON LE PRINCIPE LIDAR

Publication

**EP 3695245 A1 20200819 (DE)**

Application

**EP 18782392 A 20181002**

Priority

- DE 102017123462 A 20171010
- EP 2018076759 W 20181002

Abstract (en)

[origin: WO2019072633A1] The invention relates to an optical device (10) for a distance measuring device according to the LIDAR principle, comprising at least one light source (11), first deflecting means which deflect the light (12) coming from the at least one light source (11) into a first angular range during the operation of the device (10), second deflecting means which deflect the light (12) coming from the first deflecting means into a second angular range which is wider than the first angular range during the operation of the device (10), and optical means which influence the light (12) such that the light is incident on the second deflecting means in the form of convergent light (12).

IPC 8 full level

**G01S 7/481** (2006.01); **G01S 17/06** (2006.01); **G01S 17/10** (2020.01); **G01S 17/32** (2020.01); **G01S 17/931** (2020.01)

CPC (source: EP US)

**G01S 7/4814** (2013.01 - EP US); **G01S 7/4817** (2013.01 - EP US); **G01S 7/484** (2013.01 - US); **G01S 17/10** (2013.01 - EP US); **G01S 17/32** (2013.01 - EP); **G01S 17/931** (2020.01 - EP US)

Citation (search report)

See references of WO 2019072633A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102017123462 A1 20190411**; CN 111164450 A 20200515; CN 111164450 B 20230922; EP 3695245 A1 20200819; US 11639986 B2 20230502; US 2020256959 A1 20200813; WO 2019072633 A1 20190418

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