

Title (en)

OPTICAL MEASURING DEVICE FOR DETERMINING OBJECT INFORMATION OF OBJECTS IN AT LEAST ONE MONITORING REGION

Title (de)

OPTISCHE MESSVORRICHTUNG ZUR BESTIMMUNG VON OBJEKTINFORMATIONEN VON OBJEKTEN IN WENIGSTENS EINEM ÜBERWACHUNGSBEREICH

Title (fr)

DISPOSITIF DE MESURE OPTIQUE POUR LA DÉTERMINATION D'INFORMATIONS D'OBJET POUR DES OBJETS DANS AU MOINS UNE ZONE DE SURVEILLANCE

Publication

**EP 3994482 A1 20220511 (DE)**

Application

**EP 20736613 A 20200630**

Priority

- DE 102019118029 A 20190704
- EP 2020068336 W 20200630

Abstract (en)

[origin: WO2021001339A1] The invention relates to an optical measuring device for determining object information of objects in at least one monitoring region, said optical measuring device having at least one receiving apparatus for receiving light signals coming from at least one object. The at least one receiving apparatus comprises at least one electro-optical receiver (34) for converting light signals into electrical signals. In a receiver light path of the at least one receiving apparatus there is at least one light diffraction element (52) in front of the at least one receiver (34). The at least one receiver (34) has multiple receiving regions (40) which are arranged one behind the other, as viewed in the direction of at least one receiver axis (42), and can be evaluated separately in respect of the light intensity received in each case. At least one boundary edge (54) of at least one light diffraction element (52) runs, at least in some sections, not perpendicularly to the at least one receiver axis (42), as viewed in projection onto the at least one receiver (34).

IPC 8 full level

**G01S 7/481** (2006.01); **G01S 7/497** (2006.01); **G01S 17/931** (2020.01); **G02B 27/00** (2006.01); **G02B 27/58** (2006.01)

CPC (source: CN EP KR US)

**G01S 7/481** (2013.01 - US); **G01S 7/4813** (2013.01 - EP KR); **G01S 7/4816** (2013.01 - EP KR); **G01S 7/483** (2013.01 - CN); **G01S 17/10** (2013.01 - CN); **G01S 17/89** (2013.01 - US); **G01S 17/931** (2020.01 - EP KR US); **G02B 27/0006** (2013.01 - EP KR); **G01S 2007/4977** (2013.01 - EP KR)

Citation (search report)

See references of WO 2021001339A1

Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

**DE 102019118029 A1 20210107**; CN 114174863 A 20220311; EP 3994482 A1 20220511; JP 2022538462 A 20220902; KR 20220016269 A 20220208; US 2022357457 A1 20221110; WO 2021001339 A1 20210107

DOCDB simple family (application)

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