

Title (en)  
LIDAR SENSOR FOR DETECTING AN OBJECT

Title (de)  
LIDAR-SENSOR ZUR ERFASSUNG EINES OBJEKTES

Title (fr)  
CAPTEUR LIDAR SERVANT À DÉTECTER UN OBJET

Publication  
**EP 3583445 A1 20191225 (DE)**

Application  
**EP 18703985 A 20180207**

Priority  
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Abstract (en)  
[origin: WO2018149708A1] The invention relates to a lidar sensor for detecting an object in an environment, as well as to a method for controlling the lidar sensor, said lidar sensor comprising a light source (101) for emitting electromagnetic radiation, a deflection mirror (104) for deflecting the emitted electromagnetic radiation (105) as deflected emitted electromagnetic radiation (105-1), at at least one angle (109) into the environment, and an optical receiver (107) for receiving electromagnetic radiation (106) reflected from the object. The core concept of the invention is that the optical receiver (107) has a recess region (103), and said recess region (103) is positioned on a main radiation axis (108) of the light source (101).

IPC 8 full level  
**G01S 7/481** (2006.01); **G01S 17/931** (2020.01)

CPC (source: EP US)  
**G01S 7/481** (2013.01 - EP US); **G01S 7/4812** (2013.01 - EP US); **G01S 17/08** (2013.01 - US); **G01S 17/931** (2020.01 - EP)

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US 2016274222 A1 20160922 - YEUN YONG HYUN [KR]

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