

Title (en)

COOLING DEVICE FOR AN OBJECT DETECTION SENSOR

Title (de)

KÜHLVORRICHTUNG FÜR EINEN OBJEKTERKENNUNGSSENSOR

Title (fr)

DISPOSITIF DE REFROIDISSEMENT POUR CAPTEUR DE RECONNAISSANCE D'OBJETS

Publication

**EP 3918366 A1 20211208 (DE)**

Application

**EP 20702280 A 20200127**

Priority

- DE 102019201031 A 20190128
- EP 2020051926 W 20200127

Abstract (en)

[origin: WO2020157005A1] The invention relates to a cooling device (12) for an object detection sensor (10), comprising a sensor-end heat transmission element (30), a sensor-distant heat absorption element (32), wherein the sensor-end heat transmission element (30) and the sensor-distant heat absorption element (32) are arranged opposite to one another, wherein a heat transmission surface (40) of the sensor-end heat transmission element (32) and a heat absorption surface (42) of the sensor-distant heat absorption element (40) are designed to be at a distance from one another by an intermediate space (43). The invention also relates to an object detection sensor (10) comprising such a cooling device (12).

IPC 8 full level

**G01S 7/481** (2006.01); **H01L 23/367** (2006.01)

CPC (source: EP KR US)

**G01S 7/4813** (2013.01 - EP KR); **H01L 23/367** (2013.01 - KR); **H05K 5/0204** (2013.01 - US); **H05K 7/20436** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102019201031 A1 20200730**; CN 113348376 A 20210903; CN 113348376 B 20240510; EP 3918366 A1 20211208;  
JP 2022518558 A 20220315; JP 7432947 B2 20240219; KR 102637236 B1 20240215; KR 20210105426 A 20210826;  
US 2022151105 A1 20220512; WO 2020157005 A1 20200806

DOCDB simple family (application)

**DE 102019201031 A 20190128**; CN 202080010842 A 20200127; EP 2020051926 W 20200127; EP 20702280 A 20200127;  
JP 2021543357 A 20200127; KR 20217024211 A 20200127; US 202017426006 A 20200127