

Title (en)

MODULE APPARATUS FOR A CAMERA SYSTEM, SPRING RETAINING MECHANISM AND CORRESPONDING CAMERA SYSTEM

Title (de)

MODULVORRICHTUNG FÜR EIN KAMERASYSTEM, HALTEFEDEREINRICHTUNG UND ENTSPRECHENDES KAMERASYSTEM

Title (fr)

DISPOSITIF DE MODULE POUR SYSTÈME DE CAMÉRA, MÉCANISME DE RESSORT DE RETENUE ET SYSTÈME DE CAMÉRA CORRESPONDANT

Publication

**EP 2812754 A1 20141217 (DE)**

Application

**EP 13700916 A 20130123**

Priority

- DE 102012201984 A 20120210
- DE 102013200966 A 20130122
- EP 2013051203 W 20130123

Abstract (en)

[origin: WO2013117430A1] The invention relates to a modular device (100) for a camera system having: a housing device (140) that has an inner opening (140a) designed to enable an adjustment of an installation position of the modular device in a motor vehicle; a sensor holding device (130) that has an upper region (130a) and a base region (130b) and is coupled to the housing device (140) via at least one support element (131a - 131c) and is designed to accommodate an image sensor (150); an object lens device (120) which is coupled to the sensor holding device (130) on the upper region (130a) via at least one connecting element (132a, 132b) and is designed to generate an optical image on the image sensor (150); and a retaining spring device (170) that is coupled to the housing device (140) and the base region (130b) of the sensor holding device (130) and is designed to press the image sensor (150) onto the sensor holding device (130).

IPC 8 full level

**G03B 17/28** (2006.01); **G03B 17/55** (2006.01); **H04N 5/225** (2006.01)

CPC (source: EP US)

**B60R 11/04** (2013.01 - EP US); **G03B 17/28** (2013.01 - EP); **G03B 17/55** (2013.01 - EP US); **H04N 23/51** (2023.01 - EP US); **H04N 23/54** (2023.01 - EP US); **H04N 23/57** (2023.01 - EP US); **B60R 2011/0026** (2013.01 - EP US); **B60R 2300/00** (2013.01 - EP US); **G03B 17/28** (2013.01 - US); **G03B 2217/002** (2013.01 - EP US)

Citation (search report)

See references of WO 2013117430A1

Cited by

CN108326371A

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 102013200966 A1 20130814**; **DE 102013200966 B4 20231116**; CN 104106004 A 20141015; CN 104106004 B 20180828; EP 2812754 A1 20141217; JP 2015511327 A 20150416; JP 6101291 B2 20170322; US 2015146094 A1 20150528; US 9756229 B2 20170905; WO 2013117430 A1 20130815

DOCDB simple family (application)

**DE 102013200966 A 20130122**; CN 201380008384 A 20130123; EP 13700916 A 20130123; EP 2013051203 W 20130123; JP 2014555150 A 20130123; US 201314377821 A 20130123