

Title (en)

SENSOR, SENSOR COMPONENT AND METHOD FOR PRODUCING A SENSOR

Title (de)

SENSOR, SENSORBAUELEMENT UND VERFAHREN ZUR HERSTELLUNG EINES SENSORS

Title (fr)

DETECTEUR, MODULE DE DETECTEUR ET PROCEDE DE FABRICATION D'UN DETECTEUR

Publication

**EP 1949040 A1 20080730 (DE)**

Application

**EP 06807779 A 20061108**

Priority

- EP 2006068239 W 20061108
- DE 102005053682 A 20051110

Abstract (en)

[origin: WO2007054519A1] The invention describes a sensor, a sensor component and a method for producing a sensor, in which sensors for measuring absolute values, in particular, can be introduced into cost-effective and technically simple plastic housings of conventional design without the long-term stability of absolute measured values which are provided by such sensors suffering. In particular, parameter drifts and offsets in the parameters are induced by arranging a sensor element above an application-specific semiconductor element which evaluates the signals from said sensor element and is connected to the latter by means of a flip-chip connection. Mechanical and thermal stresses and moisture are prevented and compensated for by introducing a suitable amount of gel into the plastic housing.

IPC 8 full level

**G01D 11/24** (2006.01)

CPC (source: EP KR US)

**G01D 11/00** (2013.01 - KR); **G01D 11/24** (2013.01 - KR); **G01D 11/245** (2013.01 - EP US); **H01L 2224/45144** (2013.01 - EP US); **H01L 2224/48091** (2013.01 - EP US); **H01L 2224/48137** (2013.01 - EP US); **H01L 2224/48247** (2013.01 - EP US); **H01L 2224/8592** (2013.01 - EP US); **H01L 2924/07811** (2013.01 - EP US); **H01L 2924/181** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Citation (search report)

See references of WO 2007054519A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 102005053682 A1 20070516**; CN 101305266 A 20081112; EP 1949040 A1 20080730; JP 2009516159 A 20090416; KR 20080075108 A 20080814; US 2009193891 A1 20090806; WO 2007054519 A1 20070518

DOCDB simple family (application)

**DE 102005053682 A 20051110**; CN 200680041883 A 20061108; EP 06807779 A 20061108; EP 2006068239 W 20061108; JP 2008539430 A 20061108; KR 20087011177 A 20080509; US 8342006 A 20061108