

Title (en)

SENSOR MODULE, PARTICULARLY FOR MEASURING AMBIENT TEMPERATURE

Title (de)

SENSORMODUL, INSBESONDERE ZUR MESSUNG DER UMGEBUNGSTEMPERATUR

Title (fr)

MODULE DE DÉTECTION, EN PARTICULIER POUR MESURER LA TEMPÉRATURE AMBIANTE

Publication

EP 3948194 A1 20220209 (DE)

Application

EP 20717178 A 20200406

Priority

- DE 202019101992 U 20190405
- EP 2020059740 W 20200406

Abstract (en)

[origin: WO2020201574A1] The invention relates to a sensor module (1) for measuring at least one measurand, comprising: a housing (2) having a flow duct (23) with an air inlet (21) and an air outlet (22), the housing (2) enclosing an interior (20) of the housing (2); a circuit board (4) arranged in the interior (20); at least one sensor (3) which is arranged on the circuit board (4) and is designed to measure at least one measurand of an air flow (L) conducted past the sensor (3); a terminal (5) arranged on the circuit board (4) for making electrical contact with the sensor module (1); and a fan (6), which has a motor (60) and a rotor (61) which can be rotated about an axis of rotation (z) by means of the motor (60), the motor (60) being electrically conductively connected to the circuit board (4), and the fan (6) being designed to generate an air flow (L) in the flow duct (23) between the air inlet (21) and the air outlet (22) such that the air flow (L) flows past the sensor (3) and, in the region of the air inlet (21), flows in a flow direction (x) which runs at an angle (V) in the range of 45° to 90° to the axis of rotation (z).

IPC 8 full level

G01K 13/02 (2021.01); **B60H 1/00** (2006.01); **G01D 11/24** (2006.01); **G01K 1/08** (2021.01); **G01N 1/22** (2006.01); **G01N 1/24** (2006.01); **H05K 3/00** (2006.01)

CPC (source: EP US)

B60H 1/00792 (2013.01 - EP US); **G01D 11/245** (2013.01 - US); **G01K 1/08** (2013.01 - EP US); **G01K 13/02** (2013.01 - EP); **G01K 13/024** (2021.01 - EP US); **G01N 1/2273** (2013.01 - EP US); **G01N 1/24** (2013.01 - EP); **H05K 1/181** (2013.01 - US); **H05K 7/1427** (2013.01 - US); **G01D 11/24** (2013.01 - EP); **G01K 2201/02** (2013.01 - EP US); **G01N 2001/245** (2013.01 - EP US); **H05K 3/0014** (2013.01 - EP); **H05K 2201/09027** (2013.01 - EP); **H05K 2201/09081** (2013.01 - EP); **H05K 2201/10151** (2013.01 - EP US); **H05K 2201/10189** (2013.01 - US)

Citation (search report)

See references of WO 2020201574A1

Designated contracting state (EPC)

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