

Title (en)
SENSOR ARRANGEMENT

Title (de)
MESSFÜHLERANORDNUNG

Title (fr)
SYSTEME DE CAPTEUR

Publication
EP 1485699 A1 20041215 (DE)

Application
EP 03704311 A 20030217

Priority
• DE 0300463 W 20030217
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Abstract (en)
[origin: WO03076920A1] Disclosed is a sensor arrangement comprising a sensor (10) measuring a gas parameter of a gas that is to be measured. Said sensor (10) is provided with a measuring element (13) which is disposed in a housing (12) and a protruding section (131) of which extends from said housing (12) at least on the side of the gas that is to be measured. The inventive sensor is also provided with a gas duct (11) through which the gas to be measured flows and which comprises a sensor inlet (25) and a seat (26) receiving the housing (12), said seat (26) encompassing the inlet (25) and being fixed to the gas duct (11). In order to be able to direct the measuring element (13) in a reproducible manner relative to the flow of gas during mounting of the sensor arrangement without the assistance of a mechanic, the seat (26) is provided with an internal thread (28), the beginning of which is oriented in relation to the flow of gas that is to be measured, while the housing (12) is provided with an external thread (34) which can be screwed into the internal thread (28) and the beginning of which is oriented in relation to the measuring element (13). The housing (12) is fastened to the seat (26) by means of a given tightening torque.

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Citation (search report)
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