

Title (en)
FLOW SENSOR

Title (de)
STRÖMUNGSSENSOR

Title (fr)
CAPTEUR D'ECOULEMENT

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Application
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Abstract (en)
[origin: WO0242723A1] The invention relates to a flow sensor (5), in particular for analysing gas flows. Said sensor comprises a support body (10) and at least one sensor component (15) that is sensitive to the flow of a medium. At least certain sections of the sensor component (15) are separated from the support body (10) by a zone with poor thermal conductivity in relation to said support body (10). In addition, the zone with poor thermal conductivity (11, 11', 14) is a porous silicon zone (11) or a porous silicon oxide zone (11'), or said zone with poor thermal conductivity (11, 11', 14) is a recess (14) in the surface of the support body (10), over which the sensor component (15) is positioned on at least one substantially self-supporting strip (13) that extends over the recess (14). The inventive flow sensor (5) is particularly suitable for the angular detection of a gas flow.

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