

Title (en)

SEMICONDUCTOR GAS SENSOR WITH HOUSING AND METHOD FOR MEASURING OF GAS CONCENTRATIONS

Title (de)

HALBLEITER-GASSENSOR MIT GEHÄUSE UND VERFAHREN ZUR MESSUNG VON GASKONZENTRATIONEN

Title (fr)

CAPTEUR DE GAZ A SEMI-CONDUCTEUR POURVU D'UN BOITIER, ET PROCEDE DE MESURE DE CONCENTRATIONS DE GAZ

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Application

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Priority

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Abstract (en)

[origin: WO0062056A1] The invention relates to a semiconductor gas sensor, for example for measuring CO, NO_x, O₃, etc., which comprises a heatable sensor element (1) for measuring gas concentrations, as well as a housing (2) in whose interior (20) the sensor element (1) is positioned. The housing (2) has a first opening (3) which connects the interior (20) with the exterior. The housing (2) also presents one or more second openings (4a, 4b) which are situated lower than the first opening (3) such that a gas stream is driven by convection from the second opening (4a, 4b) to the first opening (3). The semiconductor gas sensor can be made of silicon using microtechnology methods.

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