

Title (en)

SENSOR FOR GAS CONCENTRATION MEASUREMENT

Title (de)

SENSOR ZUR MESSUNG VON GASKONZENTRATIONEN

Title (fr)

CAPTEUR DE MESURE DE LA CONCENTRATION DE GAZ

Publication

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Application

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Abstract (en)

[origin: WO9704306A1] The invention relates to a sensor for measuring gas concentrations in a gas mixture, with a tube closed at one end, along the outside of which is fitted an electric sensor contact and the open end of which is fitted in a housing, where the space along the tube between it and the housing is gastightly sealed. In order to ensure a reliable seal between the gas to be measured and the reference gas, even at high operating temperatures, and at the same time to provide several sensor funtions with high contact reliability, there are a gastight seal running peripherally between the housing and the tube at the open end of the tube forming a cold end and at least one electric sensor contact electrically insulated from the housing on the outside of the tube, and the at least one sensor contact opens into the open end of the tube and is connected to an electric line.

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