

Title (en)
SENSOR ASSEMBLY FOR MEASURING A GAS CONCENTRATION

Title (de)
SENSORANORDNUNG ZUM MESSEN EINER GASKONZENTRATION

Title (fr)
DISPOSITIF CAPTEUR DESTINE A LA MESURE D'UNE CONCENTRATION DE GAZ

Publication
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Application
EP 02779214 A 20021114

Priority

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Abstract (en)
[origin: WO03095999A2] The invention relates to a sensor assembly for measuring a gas concentration, in particular CO, H₂, NO_x and/or hydrocarbons. The aim of the invention is to permit an accurate measurement by relatively simple means, in particular at low cost. To achieve this, the sensor assembly is provided with an insulation material that is applied to the substrate (2) and comprises one or more insulation layers (4, 6, 8, 10), at least one first electrode structure (12, 13) that is provided in or on the insulation material, at least one second electrode structure (14, 15) that is provided in or on the insulation material and is placed at a vertical distance from the first electrode structure, a gas-sensitive layer (16), which borders the first electrode structure (12, 13) and the second electrode structure (14, 15) and a heating conductor structure (7) that is located in the insulation material (4, 6, 8, 10).

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