

Title (en)
SENSOR FOR ANALYZING GASES

Title (de)
SENSOR ZUR ANALYSE VON GASEN

Title (fr)
DETECTEUR DESTINE A L'ANALYSE DE GAZ

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Application
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Abstract (en)
[origin: DE19901956A1] The invention relates to a sensor for detecting gas components and/or gas concentrations in gaseous mixtures. The inventive sensor is especially useful for analyzing HC, NOx and CO in the waste gas of internal combustion engines. The sensor comprises a substrate (10) on which, in a hot region (40) that is subjected to the gas, an exterior electrode (16) and an MOx electrode (20) and in a cold region (30) an exterior electrode supply line (21) and an MOx electrode supply line (17) are arranged. At least in the cold region (30) at least one of the electrode supply lines (17, 21) is separate from the substrate (10) by means of at least one electrically insulating insulating layer (15). Said layer is advantageously linked with the substrate (10) via adhesive knobs (22) at least in some zones.

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