

Title (en)
SENSOR ELEMENT OPERATED WITH A PRELIMINARY CATALYSIS

Title (de)
SENSORELEMENT MIT VORKATALYSE

Title (fr)
ELEMENT DETECTEUR AVEC PRE-CATALYSE

Publication
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Application
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Abstract (en)
[origin: WO0171333A1] The invention relates to a sensor element for determining the concentration of gas components in gaseous mixtures, especially in the exhaust gases of internal combustion engines. Said sensor element comprises at least one chamber for the gas to be measured (13) and at least one gas inlet (17) via which the gas mixture is fed to the chamber for the gas to be measured (13). The sensor element is further provided with a diffusion barrier (12) interposed between the gas inlet (17) and the chamber for the gas to be measured (13). The diffusion barrier (12) has at least one area (14, 14a, 16) that contains a catalytically active material for establishing the equilibrium in the gaseous mixture and is divided up into a coarse pored and a fine pored section.

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