

Title (en)
SENSOR ELEMENT

Title (de)
SENSORELEMENT

Title (fr)
ELEMENT DE DETECTION

Publication
EP 1673618 A1 20060628 (DE)

Application
EP 04786891 A 20040929

Priority
• DE 2004002179 W 20040929
• DE 10345142 A 20030929

Abstract (en)
[origin: US2005067282A1] A sensor element is used to determine a physical property of a measuring gas, which may be to determine the concentration of a component of an exhaust gas of an internal combustion engine. The sensor element includes a first electrode, which is positioned on a solid electrolyte and which is connected to the measuring gas located outside the sensor element via a first diffusion pathway, in which a first diffusion resistor is provided. The sensor element also has a second electrode, which is positioned on a solid electrolyte and is connected to the measuring gas located outside the sensor element via a second diffusion pathway, in which a second diffusion resistor is positioned. The second diffusion resistor includes a catalytically active material.

IPC 1-7
G01N 27/407; G01N 27/419

IPC 8 full level
G01N 27/419 (2006.01)

CPC (source: EP US)
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See references of WO 2005033690A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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