

Title (en)
SENSOR ELEMENT

Title (de)
SENSORELEMENT

Title (fr)
ELEMENT DE DETECTION

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Application
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Abstract (en)
[origin: WO2005090955A1] The invention relates to a sensor element (10) serving, in particular, for detecting a gas component in a test gas, preferably for determining the oxygen concentration in an exhaust gas of an internal combustion engine. The sensor element (10) comprises a strip conductor (101), which is applied to a solid electrolyte (21, 22) and which has an electrode (101a) provided in a measuring area (11) of the sensor element (10), and an electrode supply (101b) leading to the electrode (101a) and being situated in a supply area (12) of the sensor element (10). A heating element (51) is provided for heating the measuring area (11) of the sensor element (10). The strip conductor (101) comprises a narrowing (60) in a transition area (13) between the measuring area (11) and the supply area (12). In addition, the electrode (101a) comprises a first electrode section (81) and a second electrode section (82). The first electrode section (81) is, in a transition area (13) between the measuring area (11) and the supply area (12), connected to the electrode supply (101b), and the first and second electrode sections (81, 82) are electrically connected to one another only on their sides situated opposite the supply area (12).

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