

Title (en)
GAS SENSOR

Title (de)
GASSENSOR

Title (fr)
CAPTEUR DE GAZ

Publication
EP 1934590 A1 20080625 (DE)

Application
EP 06806778 A 20060919

Priority
• EP 2006066478 W 20060919
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Abstract (en)
[origin: DE102005047443A1] The sensor (1) has a solid electrolyte (2) connecting two electrodes (3, 4) in an ion-conducting manner, where the electrodes have similar gas-sensitive base material e.g. gold. The electrode has a high activity with respect to oxidation or reduction of a gas component to be sensed and another electrode has a low activity, where the effect on the activity with respect to oxidation or reduction of the gas component is calibrated at the electrodes by free oxygen present in a measuring gas mixture.

IPC 8 full level
G01N 27/407 (2006.01); **G01N 33/00** (2006.01)

CPC (source: EP US)
G01N 27/4074 (2013.01 - EP US); **G01N 33/0047** (2013.01 - EP US); **G01N 33/0006** (2013.01 - EP US); **G01N 33/0037** (2013.01 - EP US); **G01N 33/0054** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US)

Citation (search report)
See references of WO 2007036454A1

Designated contracting state (EPC)
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