

Title (en)

GAS SENSOR AND METHOD FOR OPERATING A GETTER PUMP

Title (de)

GASSENSOR UND VERFAHREN ZUM BETREIBEN EINER GETTERPUMPE

Title (fr)

CAPTEUR DE GAZ ET PROCEDE D'UTILISATION D'UNE POMPE GETTER

Publication

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Application

EP 05766817 A 20050712

Priority

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- DE 102004034381 A 20040716

Abstract (en)

[origin: WO2006008253A1] The invention relates to a gas sensor comprising a pump chamber (11) which is connected to a getter pump (30) by means of a throttle channel (20). The detection chamber (11) is closed by a wall (12, 13) that is selectively permeable only to hydrogen. The getter pump (30) sucks hydrogen out of the detection chamber (11). Hydrogen is detected by a highly sensitive pressure sensor (14) when it is diffused into the pump chamber (11) through the wall (12, 13). Said gas sensor has a simple structure and does not require a mass spectrometer.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2006008253A1

Citation (examination)

US 5786529 A 19980728 - VOSS GUNTER [DE], et al

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DOCDB simple family (publication)

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