

Title (en)

GAS SENSOR, ESPECIALLY FOR INTERNAL COMBUSTION ENGINE EXHAUST GASES

Title (de)

GASSENSOR, INSBESONDERE FÜR ABGASE VON BRENNKRAFTMASCHINEN

Title (fr)

DETECTEUR DE GAZ, NOTAMMENT POUR GAZ D'ÉCHAPPEMENT DE MOTEURS À COMBUSTION INTERNE

Publication

EP 0739481 A1 19961030 (DE)

Application

EP 95931902 A 19950922

Priority

- DE 9501306 W 19950922
- DE 4436580 A 19941013

Abstract (en)

[origin: DE4436580A1] The proposal is for a gas sensor, especially for internal combustion engine exhaust gases, with a planar sensor component (14) secured in a longitudinal bore (11) of a housing (10) of two superimposed electrically insulating mouldings (24, 25). Between the mouldings (24, 25) there is a first seal (26) tightly surrounding the sensor component (10) which is surrounded in turn by a second seal (27) on the side of the housing (10). The first seal consists of a fuel-resistant powder, e.g. graphite. The second seal (27) consists of an electrically insulating ceramic powder, e.g. aluminium oxide.

IPC 1-7

G01N 27/407

IPC 8 full level

G01N 27/407 (2006.01)

CPC (source: EP)

G01N 27/407 (2013.01); **G01N 27/4071** (2013.01); **G01N 27/4078** (2013.01)

Citation (search report)

See references of WO 9612178A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 4436580 A1 19960418; EP 0739481 A1 19961030; WO 9612178 A1 19960425

DOCDB simple family (application)

DE 4436580 A 19941013; DE 9501306 W 19950922; EP 95931902 A 19950922