

Title (en)
SENSOR FOR GAS CONCENTRATION MEASUREMENT

Title (de)
SENSOR ZUR MESSUNG VON GASKONZENTRATIONEN

Title (fr)
CAPTEUR DE MESURE DE LA CONCENTRATION DE GAZ

Publication
EP 0781410 A1 19970702 (DE)

Application
EP 96922042 A 19960628

Priority

- DE 19525942 A 19950718
- DE 19534918 A 19950920
- EP 9602835 W 19960628

Abstract (en)
[origin: WO9704306A1] The invention relates to a sensor for measuring gas concentrations in a gas mixture, with a tube closed at one end, along the outside of which is fitted an electric sensor contact and the open end of which is fitted in a housing, where the space along the tube between it and the housing is gastightly sealed. In order to ensure a reliable seal between the gas to be measured and the reference gas, even at high operating temperatures, and at the same time to provide several sensor functions with high contact reliability, there are a gastight seal running peripherally between the housing and the tube at the open end of the tube forming a cold end and at least one electric sensor contact electrically insulated from the housing on the outside of the tube, and the at least one sensor contact opens into the open end of the tube and is connected to an electric line.

IPC 1-7
G01N 27/407

IPC 8 full level
G01N 27/409 (2006.01); **G01N 27/407** (2006.01)

CPC (source: EP)
G01N 27/407 (2013.01); **G01N 27/4078** (2013.01)

Citation (search report)
See references of WO 9704306A1

Designated contracting state (EPC)
BE DE ES FR GB IT SE

DOCDB simple family (publication)
WO 9704306 A1 19970206; AU 6305996 A 19970218; AU 708240 B2 19990729; BR 9606523 A 19971223; CA 2200203 A1 19970206; CN 1158164 A 19970827; EP 0781410 A1 19970702; JP H10506473 A 19980623; MX 9702015 A 19971129; TR 199700198 T1 19970821

DOCDB simple family (application)
EP 9602835 W 19960628; AU 6305996 A 19960628; BR 9606523 A 19960628; CA 2200203 A 19960628; CN 96190747 A 19960628; EP 96922042 A 19960628; JP 50621897 A 19960628; MX 9702015 A 19960628; TR 9700198 T 19960628