

Title (en)

ELECTROCHEMICAL MEASURING SENSOR AND PROCESS FOR PRODUCING IT

Title (de)

ELEKTROCHEMISCHER MESSFÜHLER UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

CAPTEUR ELECTROMECHANIQUE DE MESURE ET SON PROCEDE DE PRODUCTION

Publication

EP 0733202 A1 19960925 (DE)

Application

EP 95931132 A 19950914

Priority

- DE 9501256 W 19950914
- DE 4435885 A 19941007

Abstract (en)

[origin: DE4435885A1] The invention relates to an electrochemical measuring sensor to determine the oxygen content of gases, and especially that of the exhaust gases of internal combustion engines, with a sensing element sealed into a metal casing, in which there is at least one seal between the sensing element and the casing. The seal (30) consists of a finely ground or powdered material, the volume of which in the uncompressed state is greater than that of a sealing gap (74) between the sensor (22) and the casing (12), whereby the seal is inserted in its large volume between sealing regions of the sensor (22) and the casing (12) and is compacted when the sensor (22) and the casing (12) are assembled together.

IPC 1-7

G01N 27/407

IPC 8 full level

G01N 27/409 (2006.01); **G01N 27/407** (2006.01)

CPC (source: EP KR)

G01N 27/407 (2013.01 - EP KR); **G01N 27/4078** (2013.01 - EP)

Citation (search report)

See references of WO 9611393A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 4435885 A1 19960411; CN 1136846 A 19961127; EP 0733202 A1 19960925; JP H09506977 A 19970708; KR 960706071 A 19961108; WO 9611393 A1 19960418

DOCDB simple family (application)

DE 4435885 A 19941007; CN 95191010 A 19950914; DE 9501256 W 19950914; EP 95931132 A 19950914; JP 51224296 A 19950914; KR 19960702728 A 19960523