

Title (en)

SENSOR ASSEMBLY OPERATING AT HIGH TEMPERATURE AND METHOD FOR MOUNTING SAME

Title (de)

WANDLERANORDNUNG FÜR HOHE TEMPERATUREN UND MONTAGEVERFAHREN

Title (fr)

ENSEMBLE DE CAPTEUR FONCTIONNANT A HAUTE TEMPERATURE ET PROCEDE DE MONTAGE

Publication

EP 1438556 A2 20040721 (FR)

Application

EP 02795317 A 20021015

Priority

- FR 0203523 W 20021015
- FR 0113667 A 20011023

Abstract (en)

[origin: FR2831269A1] Mounting a large sized sensor functioning at high temperature in a sealed manner in a wall passage, the sensor (10) being a micro-machined sensor incorporating a platelet (22) provided with electrical connection studs (18), consists of linking the sensor with the end of a temperature resistant cable (30). The cable incorporates several electrical conductors (36) sunk in an insulator (34) retained in a sleeve (32). The sleeve passes into the wall passage. The electric conductors pass beyond the end of the sleeve and are welded directly onto the contact studs of the platelet. The sleeve is mounted in an airtight manner in the wall passage. An Independent claim is also included for an assembly of a large sized sensor and a connection cable used to mount such a sensor in a wall passage.

IPC 1-7

G01L 23/26

IPC 8 full level

G01L 9/00 (2006.01); **G01L 23/18** (2006.01)

CPC (source: EP US)

G01L 19/003 (2013.01 - EP US); **G01L 19/0084** (2013.01 - EP US); **G01L 19/147** (2013.01 - EP US); **G01L 23/18** (2013.01 - EP US)

Citation (search report)

See references of WO 03036252A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

FR 2831269 A1 20030425; **FR 2831269 B1 20040102**; EP 1438556 A2 20040721; US 2004250602 A1 20041216; WO 03036252 A2 20030501; WO 03036252 A3 20030925

DOCDB simple family (application)

FR 0113667 A 20011023; EP 02795317 A 20021015; FR 0203523 W 20021015; US 48978404 A 20040317