

Title (en)

A METHOD FOR MANUFACTURING A CALORIMETER-RELATED DETECTOR AND A DETECTOR MANUFACTURED ACCORDING TO THE METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES DETEKTORS FÜR KALORIMETRIE UND MIT DIESEM VERFAHREN HERGESTELLTER DETEKTOR

Title (fr)

PROCEDE DE FABRICATION D'UN DETECTEUR POUR CALORIMETRE ET DETECTEUR AINSI FABRIQUE

Publication

EP 1151277 A1 20011107 (EN)

Application

EP 99965703 A 19991229

Priority

- SE 9902498 W 19991229
- SE 9804580 A 19981229

Abstract (en)

[origin: WO0039563A1] The present invention relates to a method of producing a calorimeter-related detector. A measuring cell (2) includes a cavity (21), which functions to enclose a volume (G) of medium intended for measuring or evaluating purposes. The surface or parts of the surface that forms walls within the measuring cell or the cavity is/are coated with one or more different metal layers (M1, M2). The detector (3) is comprised of a thermal element and is formed on a base structure (31). That part of the base structure that shall form said detector is comprised of one or more topographically structured surface regions. At least said surface region or surface regions is/are coated with a first and a second electrically conductive metal layer (M1 and M2 respectively) which are intended to form said thermocouple. The first metal layer (M1) is applied at a first angle other than 90 DEG , and the second metal layer (M2) is applied at a second angle which is also other than 90 DEG and which differs from the first angle. The topographical structure and/or configuration including the thus coated electrically conductive layers provides the function of one or more thermocouples, by virtue of the first and the second metal layers (M1, M2) overlapping each other within discrete detector-associated surface parts.

IPC 1-7

G01N 21/35; **G01N 21/03**; **H01L 27/16**; **H01L 35/32**

IPC 8 full level

G01K 17/00 (2006.01); **G01N 25/32** (2006.01); **H10N 10/17** (2023.01)

CPC (source: EP)

H10N 10/17 (2023.02)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0039563 A1 20000706; AU 2138700 A 20000731; EP 1151277 A1 20011107; JP 2002533715 A 20021008; SE 521792 C2 20031209; SE 9804580 D0 19981229; SE 9804580 L 20000630

DOCDB simple family (application)

SE 9902498 W 19991229; AU 2138700 A 19991229; EP 99965703 A 19991229; JP 2000591413 A 19991229; SE 9804580 A 19981229