

Title (en)

METHOD FOR PRODUCING A TEMPERATURE-DEPENDENT RESISTOR, AND ELECTRIC TEMPERATURE SENSOR

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES TEMPERATURABHÄNGIGEN WIDERSTANDES SOWIE ELEKTRISCHER TEMPERATUR-SENSOR

Title (fr)

PROCEDE PERMETTANT DE FABRIQUER UNE RESISTANCE DEPENDANTE DE LA TEMPERATURE ET CAPTEUR DE TEMPERATURE ELECTRIQUE

Publication

EP 1095248 A1 20010502 (DE)

Application

EP 99932884 A 19990714

Priority

- DE 19831861 A 19980716
- DE 19831862 A 19980716
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- EP 9904988 W 19990714

Abstract (en)

[origin: EP0973020A1] An electrical temperature sensor has an intermediate layer (10) as diffusion barrier layer on a platinum resistance layer (1). An electrode (4) is arranged at a certain distance on the side of the resistance layer (1) away from the ceramic substrate surface (2). An Independent claim is also included for a process for the production of the sensor comprising applying the platinum resistance layer in the form of a thin layer to an electrically insulating surface of a ceramic substrate (2) and structuring, followed by applying a diffusion barrier layer (10) and then applying an electrically conducting layer as electrode (4) at a certain distance from the resistance layer (1).

IPC 1-7

G01K 7/18

IPC 8 full level

G01K 1/10 (2006.01); **G01K 7/18** (2006.01)

CPC (source: EP KR US)

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