

Title (en)  
GAS METER INCORPORATING CALORIFIC MEASUREMENT

Title (de)  
GASZÄHLER MIT EINER KALORISCHEN MESSUNG

Title (fr)  
COMPTEUR A GAZ INCORPORANT UNE MESURE CALORIFIQUE

Publication  
**EP 1070231 A4 20020116 (EN)**

Application  
**EP 99913009 A 19990408**

Priority  
• AU 9900259 W 19990408  
• AU PP293098 A 19980409

Abstract (en)  
[origin: WO9953273A1] A gas meter (10) determining the calorific value of the gas passing through the meter is disclosed. The meter includes a reaction chamber (28) that draws gas from the gas flow path and an air intake (30). The calorific value is determined using a resistor (36), coated with a catalyst material, that forms part of a wheatstone bridge circuit. Oxidation of the gas/air mixture on the surface of the resistor (36) causes a temperature and resistance change dependent on the calorific value of the gas that can be detected by the wheatstone bridge.

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CPC (source: EP)  
**G01N 33/225** (2013.01); **G01N 27/16** (2013.01)

Citation (search report)  
• [XY] WO 9410566 A1 19940511 - GASTEC NV [NL], et al  
• [Y] US 2731541 A 19560117 - HOUDRY EUGENE J, et al  
• [A] EP 0697593 A1 19960221 - BACHARACH INC [US]  
• [A] US 3959764 A 19760525 - ALLMAN CHARLES E  
• [A] US 2197370 A 19400416 - SULLIVAN ALAN P  
• [A] US 2152439 A 19390328 - BENJAMIN MILLER  
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 093 (P - 192) 19 April 1983 (1983-04-19)  
• See references of WO 9953273A1

Designated contracting state (EPC)  
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