

Title (en)

GAS SENSOR MODULE WITH CONTACTLESS INTERFACE

Title (de)

GASSENSORMODUL MIT KONTAKTLOSER SCHNITTSTELLE

Title (fr)

MODULE DE DETECTION DE GAZ EQUIPE D'UNE INTERFACE SANS CONTACT

Publication

**EP 1606617 A1 20051221 (DE)**

Application

**EP 04723170 A 20040325**

Priority

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- DE 10313639 A 20030326

Abstract (en)

[origin: WO2004086030A1] The inventive gas sensor module comprises an elementary sensor for detecting a gas concentration; a digital data memory for storing sensor data or process data; and an interface for connection to a higher order unit for supplying the gas sensor module with power and for exchanging data between the gas sensor module and the higher order unit. The interface is a contactless interface. The inventive converter module for operating at least one gas sensor module according to the above claims comprises a contactless interface for exchanging data with the gas sensor module and for supplying the gas sensor module with power, and a communication circuit for outputting at least one signal which is dependent upon measuring data.

IPC 1-7

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IPC 8 full level

**G01N 33/00** (2006.01); **H01F 38/14** (2006.01)

CPC (source: EP US)

**G01N 33/0062** (2013.01 - EP US); **H01F 38/14** (2013.01 - EP US); **G01N 27/286** (2013.01 - EP US)

Citation (search report)

See references of WO 2004086030A1

Citation (examination)

- US 2003085714 A1 20030508 - KEYES MARION A [US], et al
- US 5363690 A 19941115 - EVANGELISTA RICHARD A [US], et al
- DE 19743953 A1 19990429 - WWU WISSENSCHAFTLICHE WERKSTAT [DE]
- DE 9309640 U1 19930923 - RWE ENERGIE AG [DE], et al
- DE 20101751 U1 20010419 - SENSORTECHNIK MEINSBERG GMBH [DE]

Designated contracting state (EPC)

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