

Title (en)

SENSOR ELEMENT WITH SUPPRESSED RICH GAS REACTION

Title (de)

SENSORELEMENT MIT UNTERDRÜCKTER FETTGASREAKTION

Title (fr)

ÉLÉMENT DE CAPTEUR AVEC RÉACTION DE GAZ GRAS COMPRIMÉE

Publication

EP 2106543 A1 20091007 (DE)

Application

EP 07822677 A 20071116

Priority

- EP 2007062460 W 20071116
- DE 102006062056 A 20061229

Abstract (en)

[origin: DE102006062056A1] The unit (110) has electrodes (116, 118), and a solid electrolyte (112) connecting the electrodes, where one of the electrodes is connected with a gas area (122) and/or a reference area over a diffusion resistance unit (314). The other electrode is connected with the gas area over a flow resistance unit (310). The flow resistance unit and the diffusion resistance unit are designed such that a limit current of the former electrode is smaller than the limit current of the latter electrode and the flow resistance unit has a larger flow resistance than that of the diffusion unit. An independent claim is also included for a method for determining a physical characteristic of a gas mixture using a sensor unit.

IPC 8 full level

G01N 27/407 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2008080698A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102006062056 A1 20080703; EP 2106543 A1 20091007; JP 2010515033 A 20100506; JP 5328669 B2 20131030; US 2010126883 A1 20100527; WO 2008080698 A1 20080710

DOCDB simple family (application)

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