

Title (en)

DEVICE FOR DETECTING A PARAMETER OF A GAS, METHOD FOR OPERATING SUCH A DEVICE, AND MEASURING SYSTEM FOR DETERMINING A PARAMETER OF A GAS

Title (de)

VORRICHTUNG ZUM ERFASSEN EINES PARAMETERS EINES GASES, VERFAHREN ZUM BETREIBEN EINER DERARTIGEN VORRICHTUNG UND MESSSYSTEM ZUM BESTIMMEN EINES PARAMETERS EINES GASES

Title (fr)

DISPOSITIF DE DÉTECTION D'UN PARAMÈTRE D'UN GAZ, PROCÉDÉ POUR FAIRE FONCTIONNER UN TEL DISPOSITIF ET SYSTÈME DE MESURE POUR DÉTERMINER UN PARAMÈTRE D'UN GAZ

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Application

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Abstract (en)

[origin: WO2015158599A1] The invention relates to a device (100) for detecting a parameter of a gas. The device (100) comprises at least one cavity (104) for receiving the gas from an outer area (108) and at least one membrane (106) for separating the cavity (104) from the outer area (108), wherein a first membrane (106) side (110) facing the outer area (108) has a first layer (114) of an electrically conductive material, and a second membrane (106) side (112) which faces the cavity (104) and lies opposite the first side (110) has a second layer (116) of an electrically conductive material. At least one portion of the membrane (106) has an ion-conductive material. The invention also relates to at least one pressure measuring element (118) which is arranged on the membrane (106) for detecting a gas pressure in the cavity (104).

IPC 8 full level

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