

Title (en)

SENSOR FOR DETECTING AT LEAST ONE PROPERTY OF A MEASUREMENT GAS, AND METHOD FOR OPERATING A SENSOR

Title (de)

SENSOR ZUR ERFASSUNG MINDESTENS EINER EIGENSCHAFT EINES MESSGASES UND VERFAHREN ZUM BETREIBEN EINES SENSORS

Title (fr)

CAPTEUR DESTINÉ À L'ACQUISITION D'AU MOINS UNE PROPRIÉTÉ D'UN GAZ À MESURER ET PROCÉDÉ POUR FAIRE FONCTIONNER UN CAPTEUR

Publication

EP 4150318 A1 20230322 (DE)

Application

EP 21724578 A 20210429

Priority

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- EP 2021061241 W 20210429

Abstract (en)

[origin: WO2021228565A1] A sensor (10) for detecting at least one property of a measurement gas, in particular for detecting particles of a measurement gas in a measurement gas compartment, is proposed. The sensor (10) comprises a sensor element (12), wherein the sensor element (12) has a substrate (14), at least one first electrode (16), and at least one second electrode (18), wherein the first electrode (16) and the second electrode (18) are arranged on the substrate (14). The sensor (10) additionally has at least one controller (20), wherein the controller (20) has a measuring device (22), and the measuring device (22) is connected to the first electrode (16) and/or the second electrode (18) and is designed to detect at least one electric signal. The controller (20) additionally has at least one voltage source (28), said voltage source (28) being connected to the first electrode (16) and/or the second electrode (18) and being designed to apply a variable electric voltage to the first electrode (16) and/or the second electrode (18).

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 2021228565A1

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DOCDB simple family (publication)

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