Title (en)

SENSOR ELEMENT FOR SENSING PARTICLES OF A MEASUREMENT GAS IN A MEASUREMENT GAS CHAMBER

Title (de)

SENSORELEMENT ZUR ERFASSUNG VON PARTIKELN EINES MESSGASES IN EINEM MESSGASRAUM

Title (fr)

ÉLÉMENT CAPTEUR POUR DÉTECTER DES PARTICULES D'UN GAZ DE MESURE DANS UNE CHAMBRE À GAZ DE MESURE

Publication

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Application

EP 20737184 A 20200707

Priority

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Abstract (en)

[origin: WO2021018523A1] The invention relates to a sensor element (112) for sensing particles of a measurement gas in a measurement gas chamber. The sensor element (112) comprises: at least one substrate (134); and at least one first electrode (116) and at least one second electrode (118), which mesh with each other in a comb-like manner. The sensor element (112) also has at least one material (124) which is electrically conductive at least at high temperature, said material having both electrically positively charged free charge carriers and electrically negatively charged free charge carriers at least at high temperature (T). The material (124) is arranged on the substrate (134), and the material (124) electrically connects the first electrode (116) and the second electrode (118) at least at high temperature (T).

IPC 8 full level

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CPC (source: CN EP KR)

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