

Title (en)
RESISTIVE PARTICLE SENSORS WITH MEASURING ELECTRODES

Title (de)
RESISTIVE PARTIKELSENSOREN MIT MESSELEKTRODEN

Title (fr)
CAPTEURS DE PARTICULES RESISTIFS AVEC ELECTRODES DE MESURE

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Application
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Abstract (en)
[origin: WO2006061278A1] The invention relates to a sensor (1), for determination of the concentration of particles in gases, in particular, of soot particles, comprising at least one support element (5) and a measuring region (12) between at least one first (10) and one second measuring electrode (15). Both measuring electrodes (10, 15) are embodied such that, on application of a voltage between the measuring electrodes (10, 15), an asymmetric electrical field is generated in the measuring region (12), for example, the facing sides (30, 35) of the first (10) and the second measuring electrode (15) may not be arranged parallel to each other. It is also possible that at least one measuring electrode (10, 15) comprises a structure (45) along the side (30, 35) thereof facing the other measuring electrode (15, 10) or along the finger electrodes (40).

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