

Title (en)

COMPACT PARTICULATE SENSOR WITH INTERNAL TEST-GAS CONDUCTION

Title (de)

KOMPAKTER PARTIKELSENSOR MIT SENSORINTERNER MESSGASFÜHRUNG

Title (fr)

CAPTEUR COMPACT DE PARTICULES PRÉSENTANT UN GUIDAGE INTERNE AU CAPTEUR DE GAZ DE MESURE

Publication

EP 3884263 A1 20210929 (DE)

Application

EP 19787234 A 20191014

Priority

- DE 102018220141 A 20181123
- EP 2019077706 W 20191014

Abstract (en)

[origin: WO2020104112A1] Provided is a particulate sensor (12) comprising a support substrate (34), a corona-discharge electrode (40), a grounding electrode (42) and at least one measuring electrode (46), said electrodes (40, 46) being attached to the support substrate (34). The particulate sensor is characterised in that a portion of the support substrate (34) supporting the electrodes (40, 46) is covered by a hollow article (35), which is designed such that the portion of the carrier substrate (34) together with the hollow article (35) forms a cavity having at least one first opening (66) and at least one second opening (68), the first opening (66) lying closer to the corona-discharge electrode (40) than to the measuring electrode (46) and the second opening (68) lying closer to the measuring electrode (46) than to the corona-discharge electrode (40), and in that electronic functional components (58, 60, 62) of the particulate sensor (12) are provided on the support substrate (34).

IPC 8 full level

G01N 15/06 (2006.01)

CPC (source: EP)

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Citation (search report)

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Designated extension state (EPC)

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