

Title (en)

OPTICAL SOOT PARTICLE SENSOR FOR MOTOR VEHICLES

Title (de)

OPTISCHER RUßPARTIKELSENSOR FÜR KRAFTFAHRZEUGE

Title (fr)

CAPTEUR DE PARTICULES DE SUIE OPTIQUE POUR VÉHICULES À MOTEUR

Publication

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Application

**EP 18721709 A 20180419**

Priority

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Abstract (en)

[origin: WO2018202433A1] The invention relates to a soot particle sensor (16) comprising a laser module (18) which has a laser and comprising a detector (26) designed to detect thermal radiation (14). The soot particle sensor (16) is characterised in that the laser is designed to generate laser light (10) and in that the soot particle sensor (16) has an optical element (20) positioned in the optical path of the laser of the laser module (18), said element being designed to bundle laser light (10) emitted by the laser module (18) into a spot (22), and in that the detector (26) is positioned in the soot particle sensor (16) such that it detects radiation (14) emitted by the spot (22).

IPC 8 full level

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