Title (en)

DEVICE AND METHOD FOR MEASURING THE PARTICLE CONCENTRATION IN AN AEROSOL

Title (de)

VORRICHTUNG UND VERFAHREN ZUR MESSUNG DER PARTIKELKONZENTRATION IN EINEM AEROSOL

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MESURE D'UNE CONCENTRATION EN PARTICULES D'UN AÉROSOL

Publication

EP 2737299 A1 20140604 (DE)

Application

EP 12733616 A 20120614

Priority

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- EP 2012061323 W 20120614

Abstract (en)

[origin: WO2013013882A1] A device (10) for measuring the particle concentration in an aerosol (22), with a flow tube (4) and a measurement chamber (12c), has a cavity (12) branching off from the flow tube (4) and a sleeve (14) arranged in said cavity (12), the sleeve comprising, at an end facing away from the flow tube (4), a collar (15) extending around the periphery of the sleeve (14) and fixed to the periphery of the cavity (12). At least one inflow opening (16) is formed in the collar, and an end of the sleeve (14) facing the flow tube (4) extends into the flow tube (4). At least one outflow opening (18) is formed at the end of the sleeve (14) facing the flow tube (4), and the measurement chamber (12c) is formed in the cavity (12) on the side of the sleeve (14) facing away from the flow tube (4).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013013882A1

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DE 102011079769 A1 20130131; BR 112014001508 A2 20170214; CN 103688153 A 20140326; EP 2737299 A1 20140604; US 2014230523 A1 20140821; WO 2013013882 A1 20130131

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