Title (en)

CALIBRATING UNIT FOR PARTICLE MEASURING DEVICES

Title (de)

KALIBRIEREINHEIT FÜR PARTIKELMESSGERÄTE

Title (fr)

UNITÉ D'ÉTALONNAGE POUR DISPOSITIFS DE MESURE DE PARTICULES

Publication

EP 4314764 A1 20240207 (DE)

Application

EP 22714977 A 20220324

Priority

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- AT 2022060089 W 20220324

Abstract (en)

[origin: WO2022198254A1] The invention relates to a method for setting the particle concentration of test particles (13a) in a test aerosol (13) at a test aerosol outlet connection (21) of a calibrating unit (1). The test aerosol outlet connection (21) is connected to a test aerosol inlet connection (19) in the calibrating unit via an aerosol line (14). The invention is characterized in that a volumetric flow (Vs) is branched off from the aerosol line (14) into a diluting branch (20) arranged at a branch location (3). The volumetric flow (Vs) is set by means of at least one pump (12), the throughflow of which can be regulated, in the diluting branch (20), and the branched-off volumetric flow (Vs) is conducted via at least one filter unit (17) in order to filter test particles (13a) out of the volumetric flow (Vs) in the diluting branch (20). The filtered volumetric flow is then returned into the aerosol line (14).

IPC 8 full level

G01N 15/10 (2024.01)

CPC (source: AT EP)

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Citation (search report)

See references of WO 2022198254A1

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