

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

- AT 502212021 A 20210326
- 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)

**G01N 1/2252** (2013.01 - AT); **G01N 15/06** (2013.01 - AT); **G01N 15/1012** (2013.01 - AT EP); **G01N 2001/2893** (2013.01 - AT); **G01N 2015/0046** (2013.01 - AT)

Citation (search report)

See references of WO 2022198254A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022198254 A1 20220929**; AT 524564 A4 20220715; AT 524564 B1 20220715; EP 4314764 A1 20240207

DOCDB simple family (application)

**AT 2022060089 W 20220324**; AT 502212021 A 20210326; EP 22714977 A 20220324