

Title (en)

DEVICE FOR SEPARATING THE PARTICLE-SIZE SPECTRUM OF A POLYDISPERSE AEROSOL

Title (de)

GERÄT ZUR AUFTRENNUNG DES TEILCHENGRÖSSENSPEKTRUMS EINES POLYDISPERSEN AEROSOLS

Title (fr)

APPAREIL POUR SEPARER LE SPECTRE DE DIMENSIONS DE PARTICULES D'UN AEROSOL POLYDISPERSE

Publication

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Application

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Abstract (en)

[origin: DE19916307A1] The invention relates to a device for separating the particle-size spectrum of a polydisperse aerosol. Said device comprises a housing which has an aerosol channel (7), a pure gas feed channel (11), a separating element (13) and at least two extraction channels (14, 15). A linear flow path is formed between the outlet opening of the aerosol channel and the inlet openings of the extraction channels. The aim of the invention is to configure the device in such a way that it can be easily assembled. This is achieved by a housing which consists of components with a substantially rotational symmetry which are configured in such a way that they can be axially interconnected in a self-centering manner, and that they form the gas channel and the separating element in their interconnected state.

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