

Title (en)

DUST FILTER WITH FILTER SLEEVE, EMISSION ELECTRODE AND COLLECTING ELECTRODE

Title (de)

STAUBFILTER MIT FILTERSCHLAUCH, SPRÜHELEKTRODE UND NIEDERSCHLAGSELEKTRODE

Title (fr)

FILTRE A POUSSIERE AVEC MANCHE FILTRANTE, ELECTRODE A COURONNE ET ELECTRODE DE PRECIPITATION

Publication

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Application

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Abstract (en)

[origin: WO0191908A1] The invention relates to a dust filter, with at least one filter sleeve (1), closed at the bottom end thereof, impinged on from the outside by the dust-containing gases, comprising at least one electrofilter (3), with at least one collecting electrode (4) and at least one emitting electrode (2), which lies at a negative potential relative to the at least one collecting electrode (4). According to the invention, the filter effect may be improved, by means of increasing the degree of dust separation, whereby the at least one emission electrode (2) is arranged behind the at least one collecting electrode (4), as viewed from the filter sleeve (1). The filter sleeve (1) and associated support cages (7) are preferably electrically isolated. During cleaning of the filter sleeves (1) the ionised dust particles (5) fall for the greater part on the directly adjacent collecting electrode (4).

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