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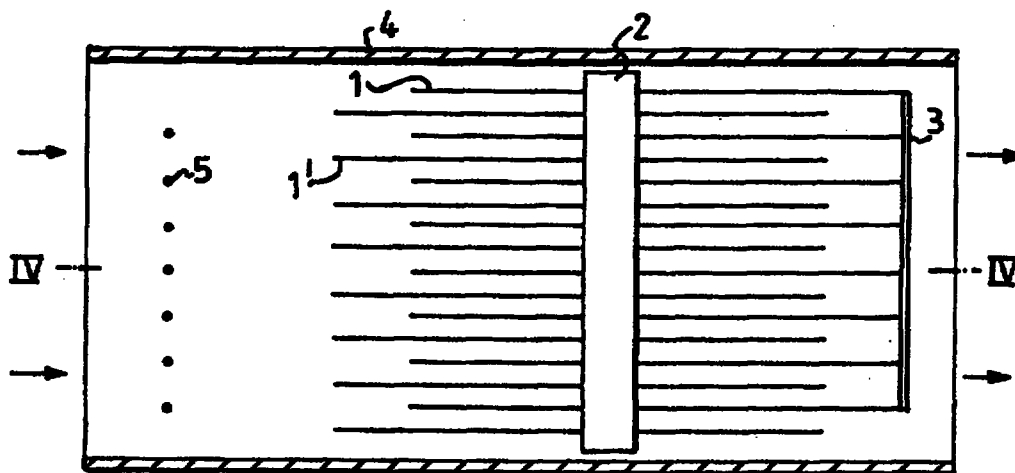
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(54) Title: ELECTROSTATIC FILTER AND SUPPLY AIR TERMINAL



(57) Abstract

The invention concerns an electrostatic filter for the separation of particles which comprises a particle charging unit arranged upstream, comprising at least one corona wire for the charging of particles and a particle collector unit arranged downstream relative to it. The particle collecting unit comprises two groups of plate-like elements (1, 1') arranged essentially parallel between each other and the flow direction through the device at a predetermined distance from each other, wherein a first group of elements (1) is connected to earth (3) and a second group of elements (1') is electrically insulated with reference to the device and to the first group of elements (1) and that the elements (1, 1') essentially are made of one or more non-hygrosopic polymer materials with a mass resistivity which preferably lies within the region of $1 \times 10^2 \Omega\text{cm}$ to $1 \times 10^8 \Omega\text{cm}$, more preferably $1 \times 10^3 \Omega\text{cm}$ to $1 \times 10^7 \Omega$, more precisely $1 \times 10^3 \Omega\text{cm}$ to $1 \times 10^4 \Omega\text{cm}$. In one embodiment the elements are alternatively offset to each other in the longitudinal direction of the unit, whereby the first group of earthed elements (1) are arranged furthest away from the particle charging part and the other group of elements (1') are electrically insulated with reference to the device and to the first group of elements (1) and arranged nearer the particle charging part. The invention also relates to a supply air terminal which comprises the filter according to the invention as an integrated unit together with a heating part.