

Title (en)

PARTICLE CATCH ARRANGEMENT FOR CATCHING PARTICLES FROM A POLLUTED PARTICLE FLOW

Title (de)

PARTIKELFANGVORRICHTUNG ZUM AUFFANGEN VON PARTIKELN AUS EINEM KONTAMINIERTEN PARTIKELSTROM

Title (fr)

MOYEN DE PIÉGEAGE DE PARTICULES PERMETTANT D'ÉLIMINER DES PARTICULES D'UN FLUX POLLUÉ

Publication

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Application

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Abstract (en)

[origin: WO2013051931A1] The invention relates to a particle catch arrangement for the removal of particles from a polluted particle flow. The arrangement comprises a support structure, a wire emitter electrode and a guide surface. The guide surface is spaced away parallel from the wire in a first direction perpendicular with respect to the wire. The guide surface has a different electrostatic charge with respect to the wire for providing an electrostatic force. The support structure comprises a bar spaced away parallel from the wire in a second direction perpendicular with respect to the wire. The second direction has a component that is opposite to the first direction and a component that is perpendicular to the first direction. The bar has a different electrostatic charge with respect to the wire for boosting the particle flow such that the particle flow follows a looped trajectory around the wire and the bar.

IPC 8 full level

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