

Title (en)
DEVICE FOR PURIFYING A GASEOUS MEDIUM LOADED WITH PARTICLES

Title (de)
VORRICHTUNG ZUR REINIGUNG EINES MIT PARTIKELN BELADENEN GASFÖRMIGEN MEDIUMS

Title (fr)
DISPOSITIF DE PURIFICATION D'UN MILIEU GAZEUX CHARGÉ DE PARTICULES

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Application
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Abstract (en)
[origin: WO2019243715A1] The invention relates to a device for purifying a gaseous medium loaded with particles comprising a shell (11) closed at the ends thereof by an end plate (31) protected by a disjoined shell (70), an electrostatic filtration chamber (20) having a passage for the gaseous medium loaded with particles; said chamber (20) comprising an emissive structure (40) comprising serrated plates (42) forming tips (47) directed towards a collecting structure (50) on either side of said emissive structure (40) and designed to trap the particles contained in the gaseous medium; said end plate (31) and said shell (70) are each brought to a different predetermined potential so as to create an electric repulsion field in the vicinity of said end plate (31), directed towards said passage.

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