

Title (en)

ELECTROSTATIC FILTER FOR PURIFYING A GAS FLOW

Title (de)

ELEKTROSTATISCHER FILTER ZUR REINIGUNG EINES GASSTROMS

Title (fr)

FILTRE ÉLECTROSTATIQUE POUR PURIFIER UN ÉCOULEMENT DE GAZ

Publication

**EP 3204164 B1 20210707 (EN)**

Application

**EP 15798543 A 20151008**

Priority

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- IB 2015001862 W 20151008

Abstract (en)

[origin: WO2016055850A1] Electrostatic filter (1) for purifying a flow of gas, and in particular air, which comprises a capture stage (S2) placed to intercept a gas flow (F) and provided with at least one positively-charged plate-like repulsion electrode (5) and with at least one plate-like collection electrode (6) at ground potential, which are extended parallel to the advancement direction of the gas flow (F). The plate-like repulsion electrode (5) is provided with a plurality of holes (12) distributed on its surface, whose edges of connection with its two faces have radii of curvature with localized concentrations of electric field with consequent emission of positive electric charges (4) in said gas flow (F).

IPC 8 full level

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CPC (source: CN EP)

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