

Title (en)

Device for separating particles from a gas flow charged with particles and method

Title (de)

Vorrichtung zum Abscheiden von Partikeln aus einem mit Partikeln beladenen Gasstrom und Verfahren

Title (fr)

Dispositif de séparation de particules à partir d'un flux de gaz chargé de particules et procédé

Publication

EP 2772309 B1 20150603 (DE)

Application

EP 13157441 A 20130301

Priority

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Abstract (en)

[origin: EP2772309A1] The device has a collecting electrode (5) lying at a ground potential, where electrically charged particles from a gas flow are accumulated at the collecting electrode. Counter electrodes (6) are arranged in a flow channel (1) and electrically connected with the collecting electrode. The counter electrodes form a corona discharge during exceeding of a boundary field intensity of an electrical field due to particle space charge in a region of the counter electrodes, where the corona discharge is polarized opposite to another corona discharge formed at a star-shaped spraying electrode (4). The counter electrode is a clamped wire. Independent claims are also included for the following: (1) a kit for retrofitting an electrical separator (2) a method for separating particles from a gas flow charged with particles.

IPC 8 full level

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