

Title (en)

Electrostatic device for collecting particles suspended in a gaseous medium

Title (de)

Elektrostatische Sammelvorrichtung von Suspensionspartikeln in einem gasförmigen Milieu

Title (fr)

Dispositif électrostatique de collecte de particules en suspension dans un milieu gazeux

Publication

EP 2656921 B1 20180314 (FR)

Application

EP 13165303 A 20130425

Priority

FR 1253945 A 20120427

Abstract (en)

[origin: EP2656921A1] The device has a collecting chamber (4) comprising a tubular shaped collecting electrode (16). A collecting device comprises a capillary tube (12), where an end (12.1) of the tube terminates upstream of the electrode in a flow direction of a gaseous flow through the chamber. Another end (12.2) is connected to a liquid tank. Polarization units perform polarization of liquid in the tube so as to make a difference in potential between the liquid at the former end of the tube and the electrode to cause corona discharge and spraying of the liquid by electro spray in the direction of the electrode. An independent claim is also included for a portable collecting system.

IPC 8 full level

B03C 3/12 (2006.01); **B03C 3/16** (2006.01); **B03C 3/32** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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