

Title (en)

DEVICE FOR EFFECTIVELY REMOVING SUSPENDED PARTICLES FROM AN AIRFLOW

Title (de)

VORRICHTUNG ZUM WIRKUNGSVOLLEN ABSCHIEDEN VON SCHWEBETEILCHEN AUS EINEM LUFTSTROM

Title (fr)

DISPOSITIF POUR ELIMINER DE MANIERE EFFICACE DES PARTICULES EN SUSPENSION CONTENUES DANS UN FLUX D'AIR

Publication

EP 1502057 B1 20060927 (DE)

Application

EP 02796666 A 20021218

Priority

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- EP 0214435 W 20021218

Abstract (en)

[origin: US2006096257A1] A device for removing suspended particles from an airflow has an intake opening, an air conveying the duct, and a fan. The air conveying duct deflects the airflow with regard to its flow direction at least sectionally. In order to filter the suspended particles almost completely from the air, the airflow is guided in the air conveying duct by positive guiding elements along a general conveying direction such that the airflow is subjected to at least a twofold sequentially arranged curve-shaped deflection in different directions. The height of at least one positive guiding element projecting into the air conveying duct is smaller than the free height of the flow cross-section of the air conveying duct in the area of the positive guiding element.

IPC 8 full level

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CPC (source: EP US)

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