Title (en)
ELECTROSTATIC PRECIPITATOR FOR CLEANING DUST-LADEN EXHAUST GASES

Title (de)
ELEKTROFILTER ZUM REINIGEN STAUBBELADENER ABGASE

Title (fr)
ÉLECTROFILTRE POUR NETTOYER DES EFFLUENTS GAZEUX CHARGÉS DE POUSSIÈRE

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Abstract (en)
[origin: WO2011156830A2] The invention relates to an electrostatic precipitator (1) for cleaning dust-laden exhaust gases (A), comprising a plurality of rows of grounded precipitation electrodes (2), said rows being arranged in a housing, and discharge electrodes (3), which are arranged between the rows of precipitation electrodes (2) and which are at negative high voltage, wherein rapping devices (4, 5), which each have at least one knocking element (6, 7) for intermittently knocking the dust off the precipitation electrodes (2) and the discharge electrodes (3), are associated with the precipitation electrodes (2) and the discharge electrodes (3), and the precipitation electrode rapping device (5) has a drive device for the at least one knocking element (6) of the precipitation electrode rapping device (5). According to the invention, the discharge electrode rapping device (4) is coupled to the drive device of the precipitation electrode rapping device (5) so that the at least one knocking element (7) of the discharge electrode rapping device (4) can be actuated by the drive device of the precipitation electrode rapping device (5).

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