

Title (en)
COLLECTING ELECTRODE FOR A DUST SEPARATOR

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Application
EP 85200160 A 19850211

Priority
DE 3408839 A 19840310

Abstract (en)
[origin: US4614526A] Collecting electrodes extend vertically in dust-collecting electrostatic precipitators, which are horizontally traversed by gas. Each collecting electrode comprises a plurality of profiled sheet metal strips which are suspended from the roof structure and are hooked into each other at their vertical longitudinal edges. The collecting electrodes also comprise at least one lower transverse connector. Two adjacent collecting electrodes define a gas passage which contains centrally disposed corona electrodes. Each sheet metal strip is substantially W-shaped in cross-section defining shallow dust-collecting pockets and comprises portions which are inclined alternately in opposite directions with respect to the direction of gas flow and portions which are parallel to the direction of gas flow and disposed between the inclined portions. The edge portions extend also parallel to the direction of gas flow and are reversely bent through 180 DEG at their extreme ends to form U-shaped strips which are adapted to be hooked into each other.

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