Title (en)

EMISSION ELECTRODE FOR ELECTROSTATIC DUST SEPARATOR

Publication

EP 0342731 B1 19921223 (DE)

Application

EP 89201128 A 19890502

Priority

DE 3816717 A 19880517

Abstract (en)

[origin: JPH0217955A] PURPOSE: To absolutely prevent the many corona electrodes arranged in series from deviating from an electricity center more than needed and to surely fix these electrodes to a tensioning frame by designing the cross sections of at least the ends of the corona electrodes a semicircular shape. CONSTITUTION: The corona electrodes for a dust-collecting electrostatic precipitator consisting of belt-like or wire-shaped elongate bodies 2 having projecting corona ends are alternately arranged with perpendicular capturing electrode walls forming gas passages and the tensioning frame 7 comprising tubes across the gas flow direction. The top ends and bottom ends of the many corona electrodes are inserted into the holes of the horizontal tubes of the frame 7 and are welded to the horizontal tubes. At least the ends of the corona electrodes are formed to the semicircular cross sections. Consequently, the front ends of the corona are substantially prevented from being deviated from the electricity center and the safe two-point fixing at the tubes of the tensioning frame 7 is made possible.

IPC 1-7

B03C 3/41; B03C 3/86

IPC 8 full level

B03C 3/41 (2006.01); **B03C 3/86** (2006.01)

CPC (source: EP US)

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DOCDB simple family (application)

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