

Title (en)

METHOD FOR CLEANING DUST FROM THE COLLECTING ELECTRODES IN AN ELECTROSTATIC DUST PRECIPITATOR

Publication

EP 0300515 A3 19900214 (DE)

Application

EP 88200870 A 19880504

Priority

DE 3722193 A 19870704

Abstract (en)

[origin: JPS6430663A] PURPOSE: To prevent a discharge of rescattered dust by cleaning collecting electrode walls arranged one behind the other at the same time in all fields, shutting off passages for gas to be treated on the opposite sides of the walls at that time, and producing gas movement toward the upstream side. CONSTITUTION: To individual collecting electrode walls of collecting electrodes 7 consisting of flat plate-shaped members forming gas passages on opposite sides thereof, mechanical vibration can be given as shown by the arrow 9 by a hammering means when deposited and collected dust is removed. In this way, the individual collecting electrode walls arranged one behind the other in the direction of a flow of gas to be treated are cleaned at the same time. At this time, the gas passages on the opposite sides are shut off in all fields along the direction of the gas to be treated, and in the gas passages, gas flowing opposite to the normal direction of gas flow is produced by drift gas from lances 10. As a result, rescattered dust is discharged in the upstream direction and conveyed to the adjacent gas passages which have not been shut off.

IPC 1-7

B03C 3/74; **B03C 3/76**; **B03C 3/80**

IPC 8 full level

B03C 3/76 (2006.01); **B03C 3/74** (2006.01); **B03C 3/80** (2006.01)

CPC (source: EP KR US)

B03C 3/74 (2013.01 - EP US); **B03C 3/88** (2013.01 - KR)

Citation (search report)

- [AD] DE 2829210 A1 19800117 - METALLGESELLSCHAFT AG
- [AD] US 2554247 A 19510522 - HEDBERG CARL W J
- [A] BE 455813 A

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CN104368450A; ES2226566A1

Designated contracting state (EPC)

AT DE ES FR GB IT NL SE

DOCDB simple family (publication)

DE 3722193 C1 19880609; AU 1860888 A 19890105; AU 597207 B2 19900524; BR 8803113 A 19890124; CA 1287707 C 19910820; EP 0300515 A2 19890125; EP 0300515 A3 19900214; IN 165248 B 19890909; JP S6430663 A 19890201; KR 890001639 A 19890328; US 4844718 A 19890704; ZA 884734 B 19900328

DOCDB simple family (application)

DE 3722193 A 19870704; AU 1860888 A 19880701; BR 8803113 A 19880624; CA 567088 A 19880518; EP 88200870 A 19880504; IN 743CA1987 A 19870918; JP 16664488 A 19880704; KR 880003505 A 19880330; US 21363988 A 19880630; ZA 884734 A 19880701