

Title (en)

ELECTROSTATIC PRECIPITATOR WITH PRIMARY- AND SECONDARY COLLECTOR

Title (de)

ELEKTROABSCHEIDER MIT PRIMÄRE UND SEKUNDAIRE KOLLEKTOR

Title (fr)

DEPOUSSIÈREUR ELECTRIQUE COMPRENANT UN COLLECTEUR PRIMAIRE ET UN COLLECTEUR SECONDAIRE

Publication

EP 1073525 A1 20010207 (EN)

Application

EP 98933990 A 19980608

Priority

- SE 9801082 W 19980608
- SE 9700746 A 19970303

Abstract (en)

[origin: WO0000291A1] An electrostatic wet precipitator for removing particulate contaminants from a gaseous stream passing through a collector tube (3) having a discharge electrode assembly (16) coaxially disposed therein and a moving liquid film on the inner surface of the tube which acts to ionize the particles in the gas. The gaseous stream mixed with water is introduced tangentially into the tube and causing the liquid to flow against the inner surface of the tube to produce the liquid film. The ionised particles are caused to migrate toward the downwardly-flowing liquid film formed on the inner surface of the collector tube by the combined action of centrifugal and electrostatic force.

IPC 1-7

B03C 3/16; **B03C 3/14**

IPC 8 full level

B03C 3/16 (2006.01); **B03C 3/41** (2006.01); **B03C 3/53** (2006.01); **B03C 3/88** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 0000291A1

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