

Title (en)
Process and apparatus for cleaning dust-laden and noxious exhaust gases.

Title (de)
Verfahren und Vorrichtung zur Reinigung staub- und schadstoffhaltiger Abgase.

Title (fr)
Procédé et appareil pour la purification d'effluents de gaz poussiéreux et nocifs.

Publication
EP 0461695 B1 19950215 (DE)

Application
EP 91201274 A 19910529

Priority
• DE 4018488 A 19900609
• DE 4023723 A 19900726

Abstract (en)
[origin: US5160510A] A process and apparatus are used for purifying dust- and pollutant-containing exhaust gases, which are first subjected in a first stage to a dry purification in a mass separator and are subsequently subjected in a second stage to an electrostatic purification in an electrostatic precipitator. In the second stage the exhaust gases are passed through one or more fields provided with liquid-wetted collecting electrodes, which define gas passages. The electrostatic precipitator also has an overflow trough and a collecting trough for each collecting electrode. Liquid supplied to the overflow trough flows onto the collecting electrode and then is collected in the collecting trough.

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IPC 8 full level
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B03C 3/011 (2013.01 - EP US); **B03C 3/017** (2013.01 - EP US); **B03C 3/025** (2013.01 - EP US); **B03C 3/40** (2013.01 - KR); **B03C 3/53** (2013.01 - EP US); **B03C 3/76** (2013.01 - EP US); **B03C 3/88** (2013.01 - EP US)

Cited by
DE102008046414A1; CN105013275A; DE102011012011A1; DE102009006528A1; DE102008046410A1; DE102008046410B4; US8945288B2; WO2010086093A1

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US 5160510 A 19921103; AT E118371 T1 19950315; AU 643794 B2 19931125; AU 7823291 A 19911212; DE 59104573 D1 19950323; EP 0461695 A1 19911218; EP 0461695 B1 19950215; JP H04227075 A 19920817; KR 920000359 A 19920129

DOCDB simple family (application)
US 71035491 A 19910331; AT 91201274 T 19910529; AU 7823291 A 19910607; DE 59104573 T 19910529; EP 91201274 A 19910529; JP 16493791 A 19910610; KR 910009476 A 19910608