

Title (en)

Two-stage electrostatic precipitator.

Title (de)

Elektrostatischer Zwei-Stufen-Präzipitator.

Title (fr)

Précipitateur électrostatique à deux étages.

Publication

**EP 0161205 A2 19851113 (EN)**

Application

**EP 85730043 A 19850321**

Priority

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- JP 6628684 A 19840403
- JP 8264684 A 19840424

Abstract (en)

A two-stage electrostatic precipitator includes a charging unit for mainly charging dust and a dust collecting unit for mainly collecting dust, wherein the charging unit utilizes a discharging electrode having a uniform cross section and the discharging electrode is applied with a high voltage pulse superimposed on a direct current high voltage, then the electrostatic precipitator is further improved in that a dust collecting electrode of the collecting unit is disposed polygonally and a small section damper for cutting off the flow of gas is provided downstream of the collecting unit, so that the economical efficiency and the dust collecting efficiency of the precipitator are improved.

IPC 1-7

**B03C 3/12**; **B03C 3/38**; **B03C 3/74**

IPC 8 full level

**B03C 3/00** (2006.01); **B03C 3/12** (2006.01); **B03C 3/38** (2006.01); **B03C 3/74** (2006.01)

CPC (source: EP KR)

**B03C 3/00** (2013.01 - KR); **B03C 3/12** (2013.01 - EP); **B03C 3/38** (2013.01 - EP); **B03C 3/74** (2013.01 - EP); **B03C 2201/10** (2013.01 - EP)

Cited by

DE102008046411A1; CN108435428A; CN111655378A; EP0348085A1; US4987857A; CN102316994A; CN110694800A; US11484890B2; WO2010086093A1

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