

Title (en)

CURRENT SUPPLY FOR AN ELECTROSTATIC FILTER

Publication

EP 0206160 B1 19900905 (DE)

Application

EP 86108075 A 19860612

Priority

DE 3522569 A 19850624

Abstract (en)

[origin: US4779182A] In order to scrub a waste gas, for example, of foreign matter by means of an electrostatic filter, a power supply is provided which contains a converter whose output feeds the primary winding of a high-voltage transformer. The secondary winding is connected to the electrostatic filter via a high-voltage rectifier. Disposed in the intermediate circuit of the converter is a control element for the intermediate circuit current. This shields the supply network against the effects of the power converter commutations and of short-circuits in the filter to a great extent. A limiter for the filter voltage and a temporary separation of the transformer from the inverter in case of filter short-circuits may be provided to reduce the stress on the components which can be made small if a high-frequency working cycle for the setter and the inverter is used.

IPC 1-7

B03C 3/68; **H02M 3/315**

IPC 8 full level

B03C 3/66 (2006.01); **B03C 3/68** (2006.01); **H02M 3/28** (2006.01); **H02M 3/315** (2006.01)

CPC (source: EP US)

B03C 3/68 (2013.01 - EP US); **Y10S 323/903** (2013.01 - EP US)

Cited by

EP0559942A1; US5262932A; CN102139244A; AU583132B2; EP0552389A1; CN103744032A; EP0508961A1; CN103930212A; US5471377A; WO8807413A1; WO8807412A1; WO2023156457A1

Designated contracting state (EPC)

CH DE FR GB LI SE

DOCDB simple family (publication)

EP 0206160 A1 19861230; **EP 0206160 B1 19900905**; AU 582864 B2 19890413; AU 5920186 A 19870108; DE 3522569 A1 19870102; DE 3673883 D1 19901011; JP 2641164 B2 19970813; JP S621464 A 19870107; US 4779182 A 19881018; ZA 864663 B 19870225

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