

Title (en)

DEVICE FOR POWER SUPPLY TO GAS-CLEANING ELECTROFILTERS.

Title (de)

STROMVERSORGUNG FÜR GASREINIGENDE ELEKTROFILTER.

Title (fr)

DISPOSITIF D'ALIMENTATION D'ELECTROFILTRES POUR LE NETTOYAGE DES GAZ.

Publication

**EP 0317634 A4 19890809 (DE)**

Application

**EP 87906033 A 19870526**

Priority

- SU 3824811 A 19841217
- SU 3824862 A 19841217

Abstract (en)

[origin: WO8809214A1] A device for power supply to gas-cleaning electrofilters comprises two direct-voltage sources (1, 2) the opposite poles (5, 6) of each of them being earthed. Between the other opposite poles of each of the direct-voltage sources (1, 2) and a corona electrode (16) of an electrofilter (17) two high-voltage commutators are connected consisting of triode-type electron-ray rectifiers (7, 8) with a hollow anode (11). To the cathode (9) and to the control electrode (10) of each electron-ray rectifier (7, 8) are connected alternating voltage modulators (18, 19) connected, through dividing transformers (38, 39), to a control unit (40) connected in turn to sensors (49, 50, 51, 52) of electrical and physical parameters. Each electrical circuit contains, connected in series, the direct-voltage source (1, 2), the electron-ray rectifier (7, 8) and the corona electrode (16) of the electrofilter (17) and comprises inductive accumulating elements (13, 15) connected in series.

IPC 1-7

**B03C 3/68**

IPC 8 full level

**B03C 3/68** (2006.01)

CPC (source: EP US)

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

Citation (search report)

- [X] US 4536698 A 19850820 - SHEVALENKO ILYA S [SU], et al
- See references of WO 8809214A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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