

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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