

Title (en)

DEVICE FOR GENERATING IONIZED GASES USING CORONA DISCHARGES

Title (de)

VORRICHTUNG ZUR ERZEUGUNG IONISierter GASE MITTELS KORONA-ENTLADUNGEN

Title (fr)

DISPOSITIF POUR PRODUIRE DES GAZ IONISES PAR DECHARGES PAR EFFET DE COURONNE

Publication

**EP 1131866 B1 20050105 (DE)**

Application

**EP 99941421 A 19990708**

Priority

- DE 19830429 A 19980708
- EP 9904824 W 19990708

Abstract (en)

[origin: WO0003466A1] The invention relates to a device for generating ionized gases using corona discharges in the respective gas. The device comprises at least one electrode (3 or 4) having a structure with a rough surface for building up high electric field strength resonances. The electrode (3 or 4) is assigned to an isolator (5 or 6). Another electric device which is subjected to the action of an alternating voltage potential is provided on the side of the isolator (5 or 6) which faces away from the electrode (3 or 4). The electrode (3 or 4) is connected to the isolator (5 or 6), lies thereupon, or is assigned thereto in the area of the sharp edges which are formed by the structure comprising a rough surface. A flow-through body (14) is assigned to the at least one electrode (5 or 6) and/or to the other electric device.

IPC 1-7

**H01T 23/00**

IPC 8 full level

**H01T 23/00** (2006.01)

CPC (source: EP)

**H01T 23/00** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0003466 A1 20000120**; AT E286632 T1 20050115; AU 5504899 A 20000201; DE 19931662 A1 20000309; DE 19931662 B4 20050504; DE 59911416 D1 20050210; EP 1131866 A1 20010912; EP 1131866 B1 20050105

DOCDB simple family (application)

**EP 9904824 W 19990708**; AT 99941421 T 19990708; AU 5504899 A 19990708; DE 19931662 A 19990708; DE 59911416 T 19990708; EP 99941421 A 19990708