

Title (en)
IONIZATION DEVICE FOR GASEOUS OXYGEN

Publication
EP 0239897 B1 19900307 (DE)

Application
EP 87104210 A 19870321

Priority
• DE 3614994 A 19860502
• DE 3702337 A 19870127
• DE 8608913 U 19860402

Abstract (en)
[origin: US4794486A] An apparatus for the ionization of gaseous oxygen, especially of oxygen in room air, for providing ionization air free of harmful substances and with a neutral charge. The device has a housing (1) preferably of an insulating material, with an inlet opening (6) and an outlet opening (7) for the oxygen or air and with an anode (10) and a cathode (11) disposed in the housing (1). Preferably the anode (10) and the cathode (11) are electrode wires extending crosswise to the direction of flow, preferably of copper with a coat of enamel. Ionization takes place free of harmful substances and electrostatic charges are eliminated as a result of providing two separate flow paths (12, 13) between the inlet opening (5) and the outlet opening (6), the anode (10) being disposed in one flow path (12) and the cathode (11) is disposed in the second flow path (13), and a backplate electrode (14), preferably common to both flow paths (12, 13) and placed at ground potential, being associated with both flow paths (12, 13).

IPC 1-7
H01T 23/00

IPC 8 full level
H01T 23/00 (2006.01)

CPC (source: EP US)
H01T 23/00 (2013.01 - EP US)

Citation (examination)
• US 4162144 A 19790724 - CHENEY WILLIAM A [US]
• DE 3609628 A1 19861002 - TEXTRON INC [US], et al
• DE 2363284 C2 19840223
• DE 2734133 A1 19780413 - AMERICAN AIR FILTER CO
• ELTEX-Ionblower EEL46I und EEL46II (Prospektblatt) mit Bedienungsanleitung

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0239897 A1 19871007; EP 0239897 B1 19900307; DE 3761867 D1 19900412; ES 2014004 B3 19900616; GR 3000416 T3 19910628; US 4794486 A 19881227

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