

Title (en)
GAS CLEANER, ESPECIALLY AIR, WITH AN IONISATION CHAMBER

Publication
EP 0288351 A3 19890125 (FR)

Application
EP 88400750 A 19880328

Priority
• FR 8704312 A 19870327
• FR 8704313 A 19870327

Abstract (en)
[origin: EP0288351A2] The air cleaner for buildings is of the kind comprising a substantially parallelipipedic box 1 which must be placed high up in premises A and has a front 2, a top surface 3 and a bottom surface 5, which box 1 has an air inlet, an air outlet, and an ionisation chamber 30 having conductive internal walls and containing a conductive wire 38 which is to carry a high tension electrical current, the air being passed from the inlet to the outlet by at least one mechanism such as a fan 20-21. It is characterised in that the air inlet is situated on the front 2 and the outlet on the bottom surface 5 of the box 1, the ionisation chamber 30 being formed by two lateral end plates 33 and by a curved wall 31 which has, beginning at the inlet, an ascending portion, a top arch 36 having a centre of curvature substantially coincident with the position of the conductive wire 30, and a descending portion 37 combined with a transverse deflector 32 which extends from the bottom of the box 1 towards the centre of curvature of the arch 36 as far as a peak situated along a line 39 higher than the lower edge 34 of the ascending portion. <IMAGE>

IPC 1-7
B03C 3/36; **B03C 3/38**; **B03C 3/32**; **B03C 3/14**; **B03C 3/60**

IPC 8 full level
B03C 3/32 (2006.01); **B03C 3/36** (2006.01); **B03C 3/38** (2006.01); **B03C 3/60** (2006.01)

CPC (source: EP)
B03C 3/32 (2013.01); **B03C 3/36** (2013.01); **B03C 3/38** (2013.01); **B03C 3/60** (2013.01)

Citation (search report)
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• [A] US 3412530 A 19681126 - CARDIFF GEORGE H
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US6964698B1

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

DOCDB simple family (publication)
EP 0288351 A2 19881026; **EP 0288351 A3 19890125**

DOCDB simple family (application)
EP 88400750 A 19880328