

Title (en)

Electrostatic filter, especially for cleaning exhaust air in vehicular tunnels, subterranean garages and the like

Title (de)

Elektrofilter, insbesondere zur Abluftreinigung für Strassentunnel, Tiefgaragen od. dgl.

Title (fr)

Filtre electrostatique notamment pour le nettoyage de l'air d'échappement des tunnels routiers et d'autres choses semblables

Publication

EP 1033171 A3 20010328 (DE)

Application

EP 00890063 A 20000301

Priority

AT 33199 A 19990301

Abstract (en)

[origin: EP1033171A2] An electrostatic filter, comprising an inlet ionizer with flexible electrodes (7, 8) and an outlet collector (5) with an earthed filter mat (16), is new. An electrostatic filter has a filter cell with an inlet-side ionizer and an outlet-side collector, the ionizer being fitted in a frame and having electrodes extending across the flow cross-section. The electrodes (7, 8) are fixed at one end in the frame (6) and can flex at the other end and the collector (5) comprises an earthed filter mat (16) of wire wool or the like covering the flow cross-section.

IPC 1-7

B03C 3/02

IPC 8 full level

B03C 3/12 (2006.01); **B03C 3/155** (2006.01); **B03C 3/78** (2006.01); **B03C 3/86** (2006.01)

CPC (source: EP)

B03C 3/12 (2013.01); **B03C 3/155** (2013.01); **B03C 3/41** (2013.01); **B03C 3/78** (2013.01); **B03C 3/86** (2013.01); **F24F 8/30** (2021.01); **B03C 2201/10** (2013.01)

Citation (search report)

- [A] EP 0039669 A2 19811111 - FLECK CARL M
- [A] WO 9316807 A1 19930902 - TL VENT AB [SE]
- [A] DE 4207022 A1 19930909 - HERTFELDER ROLF [DE]
- [A] US 4147522 A 19790403 - GONAS EDWARD J, et al

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DE102011110805A1; DE102011110805B4; WO2020234472A1; DE102018209993A1; DE202011104657U1; WO2013023644A1; DE202021002126U1

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