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)

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- [A] WO 9316807 A1 19930902 - TL VENT AB [SE]
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- [A] US 4147522 A 19790403 - GONAS EDWARD J, et al

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EP 1033171 A2 20000906; **EP 1033171 A3 20010328**; **EP 1033171 B1 20080820**; AT 406737 B 20000825; AT A33199 A 20000115; AT E405349 T1 20080915; DE 50015313 D1 20081002

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EP 00890063 A 20000301; AT 00890063 T 20000301; AT 33199 A 19990301; DE 50015313 T 20000301