

Title (en)
CIGARETTE FILTER UNIT

Publication
EP 0213081 B1 19901205 (DE)

Application
EP 86810377 A 19860825

Priority
CH 366485 A 19850826

Abstract (en)
[origin: DE3533716A1] In order, when smoking a cigarette, to achieve, in comparison with previously, a more constant or even decreasing amount of condensate per draw of the smoker on the filter cigarette, a cigarette filter unit is proposed which is provided with at least one membrane designed like a sieve and arranged in a smoke passage cross-section, which membrane acts as an internal switching element during smoking of the cigarette. For this purpose, the spatial distribution of the membrane orifices and the cross sectional areas thereof are precisely determined in size and shape. The thickness of the membrane is in a range from 10 to 150 μm , the number of orifices provided in the membrane in a range from 500 to 25000, and the cross-sectional area of these orifices in a range from 80 to 3000 μm^2 each. In addition, a further smoke passage cross-section having at least one passage orifice, the cross-section of which is at least 10 times greater than the cross-section of the largest membrane orifice and/or, viewed in the flow direction, after the membrane, ventilation openings are provided, extending between the inside and the outside of the filter unit.

IPC 1-7
A24D 3/04

IPC 8 full level
A24D 3/04 (2006.01)

CPC (source: EP US)
A24D 3/04 (2013.01 - EP US)

Cited by
ITAN20120002A1; EP0364256A1; WO03020057A1

Designated contracting state (EPC)
AT BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0213081 A1 19870304; EP 0213081 B1 19901205; AT E58820 T1 19901215; CA 1258023 A 19890801; CH 668533 A5 19890113; DE 3533716 A1 19870305; DE 3676010 D1 19910117; JP S6248368 A 19870303; US 4747418 A 19880531

DOCDB simple family (application)
EP 86810377 A 19860825; AT 86810377 T 19860825; CA 516104 A 19860815; CH 366485 A 19850826; DE 3533716 A 19850921; DE 3676010 T 19860825; JP 19987886 A 19860826; US 89947286 A 19860822