

Title (en)
FILTER CIGARETTE

Publication
EP 0255114 B1 19900725 (DE)

Application
EP 87110936 A 19870728

Priority
DE 3625593 A 19860729

Abstract (en)
[origin: EP0255114A1] 1. A filter cigarette with a nicotine-to-condensate ratio of 1.0 at the maximum, comprising a) a tobacco rod surrounded by a cigarette paper, b) a first filter element facing the tobacco rod and consisting of a fibrous material having a low single denier, a high total denier and an appropriately high retention capacity, c) a second filter element facing the mouth of the smoker and having a low retention capacity, d) a hollow chamber disposed between the two filter elements and having a length of 2 to 6 mm at an overall length of the filter between 20 and 30 mm, e) a wrapper surrounding the two filter elements and the hollow chamber, f) an air-impermeable tipping paper for attaching the two filter elements to the tobacco rod, and g) a filter ventilation zone in the wrapper and the tipping paper in the middle of the hollow chamber, said filter ventilation zone extending in the circumferential direction and being produced on the finished filter cigarette by mechanical means or by laser irradiation, characterized by the combination of the following features : h) the first filter element (16) facing the tobacco rod has a retention capacity of 40 to 80% ; i) the second filter element (18) facing the mouth of the smoker has a retention capacity of 10% at the maximum ; j) the nicotine-to-condensate-yield ratio of the tobacco rod (12) is between 0.5 and 0.75 ; k) the packing density of the tobacco mixture of the tobacco rod (12) is between 200 and 230 mg/ml ; l) the draw resistance of the tobacco rod (12) is between 45 and 65 mm water column, measured under closed conditions ; m) the air permeability of the cigarette paper is 15 to 40 Coresta units ; and n) the filter ventilation degree is 50 to 80%.

IPC 1-7
A24D 3/04; **A24D 3/10**

IPC 8 full level
A24D 3/04 (2006.01); **A24D 3/10** (2006.01)

CPC (source: EP US)
A24D 3/043 (2013.01 - EP US); **A24D 3/10** (2013.01 - EP)

Cited by
CN106235405A; KR20010015790A; GR890100471A; US5150725A; CN108169061A; DE3837930C1; EP0368065A1; EP0885570A1; EP0413536A1; CN1103195C; US7980250B2; US7669604B2; WO2004037025A3; WO2004014162A1; EP0920817A2; US6345625B1; WO9926497A1; WO9507633A1; JP2006503572A; EP2773230B1; EP1670327B2

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