

Title (en)

FILTER CIGARETTE

Title (de)

FILTERZIGARETTE

Title (fr)

CIGARETTE FILTRE

Publication

EP 0859558 A1 19980826 (DE)

Application

EP 96937308 A 19961031

Priority

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Abstract (en)

[origin: US6145511A] PCT No. PCT/EP96/04733 Sec. 371 Date May 4, 1998 Sec. 102(e) Date May 4, 1998 PCT Filed Oct. 31, 1996 PCT Pub. No. WO97/16986 PCT Pub. Date May 15, 1997A description is given of a filter cigarette, whose filter a) contains fibrous filter material, b) contains an additive with an antimutagenic action on the cigarette smoke in a quantity of less than 15 wt. %, based on the fiber weight of the filter and c) on smoking a similar unventilated filter cigarette, but not containing additive, has a nicotine retention RN (in %) (determined according to CORESTA recommended method No. 9) satisfying the following formula: $RN = 100 * (1 - D)$ in which:D=exp(A*B+C),withA=21 mm-filter length (mm) for filter lengths ≤ 25 mm orA=-4 mm for filter lengths > 25 mm,B=9.3*10-3(1/mm) andC=-(d4* DELTA p*K+L) with d=filter diameter (mm), DELTA p=draw resistance of filter (mm hydraulic pressure), K=1.0228*10-6 (1/(mm4*mm hydraulic pressure)) and L=0.2334. Using said filter and measured according to the Ames test with strain TA 98, it is possible to filter mutagenically acting substances with a selectivity of at least 10% better than other smoke ingredients. A particularly suitable method for the manufacture of such a filter cigarette is described.

IPC 1-7

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