

Title (en)
Filter for a smoking article

Title (de)
Filter für einen rauchbaren Artikel

Title (fr)
Filtre pour un article à fumer

Publication
EP 1321050 B1 20061004 (DE)

Application
EP 01129382 A 20011218

Priority
EP 01129382 A 20011218

Abstract (en)
[origin: EP1321050A1] The filter for smokable articles, in particular, cigarettes comprises an inner cover paper (18) with longitudinal grooves (20) which are open at the filter end facing the tobacco, do not extend to the other filter end, and are provided with an outer cover paper (22) provided with ventilating perforations (24). <??>An Independent claim is also included for an application of the filter for reduction of the ratio of carbon monoxide (CO) to condensate dependent on filter ventilation.

IPC 8 full level
A24D 1/04 (2006.01); **A24D 3/02** (2006.01); **A24D 3/04** (2006.01); **A24D 3/10** (2006.01); **A24D 3/16** (2006.01); **D21H 27/00** (2006.01)

CPC (source: EP KR US)
A24D 1/027 (2013.01 - KR); **A24D 3/0258** (2013.01 - KR); **A24D 3/043** (2013.01 - EP US)

Cited by
US9066542B2; US8955524B2; US9961936B2; WO2010052238A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1321050 A1 20030625; EP 1321050 B1 20061004; AP 1915 A 20081110; AP 2004003057 A0 20040630; AR 037903 A1 20041222; AT E341234 T1 20061015; AU 2002350932 A1 20030630; AU 2002350932 B2 20060413; AU 2002350932 C1 20061214; BR 0215033 A 20041103; BR 0215033 B1 20120124; CA 2470198 A1 20030626; CA 2470198 C 20080909; CN 100379364 C 20080409; CN 1604744 A 20050406; CO 5590868 A2 20051230; DE 50111161 D1 20061116; DK 1321050 T3 20070212; EA 007110 B1 20060630; EA 200400786 A1 20041230; EG 23225 A 20040831; EP 1458253 A1 20040922; ES 2269284 T3 20070401; GE P20063756 B 20060227; HK 1076686 A1 20060127; HR P20040509 A2 20041031; HU P0402618 A2 20050530; HU P0402618 A3 20121029; IL 162446 A0 20051120; JP 2005511107 A 20050428; JP 4015999 B2 20071128; KR 100737573 B1 20070710; KR 20040061044 A 20040706; MX PA04006078 A 20040927; OA 12741 A 20060630; PL 197771 B1 20080430; PL 370700 A1 20050530; RS 50890 B 20100831; TW 200410643 A 20040701; TW I323646 B 20100421; UA 76567 C2 20060815; US 2005076927 A1 20050414; US 2010319718 A1 20101223; WO 03051144 A1 20030626; YU 50904 A 20060817; ZA 200404588 B 20051130

DOCDB simple family (application)
EP 01129382 A 20011218; AP 2004003057 A 20021211; AR P020104947 A 20021218; AT 01129382 T 20011218; AU 2002350932 A 20021211; BR 0215033 A 20021211; CA 2470198 A 20021211; CN 02825305 A 20021211; CO 04057551 A 20040618; DE 50111161 T 20011218; DK 01129382 T 20011218; EA 200400786 A 20021211; EG 2002121371 A 20021218; EP 02785645 A 20021211; ES 01129382 T 20011218; GB 0205603 W 20021211; GE AP2002005660 A 20021211; HK 05108757 A 20051003; HR P20040509 A 20040607; HU P0402618 A 20021211; IL 16244602 A 20021211; JP 2003552083 A 20021211; KR 20047009377 A 20021211; MX PA04006078 A 20021211; OA 1200400168 A 20021211; PL 37070002 A 20021211; TW 91136325 A 20021217; UA 20040705881 A 20021211; US 49928104 A 20040618; US 87016610 A 20100827; YU P50904 A 20021211; ZA 200404588 A 20040609