

Title (en)  
FILTER FOR CIGARETTE AND CIGARETTE WITH FILTER

Title (de)  
ZIGARETTENFILTER UND ZIGARETTE MIT FILTER

Title (fr)  
FILTRE POUR CIGARETTE ET CIGARETTE AVEC FILTRE

Publication  
**EP 1442667 A4 20051102 (EN)**

Application  
**EP 02770247 A 20021023**

Priority  
• JP 0210989 W 20021023  
• JP 2001332651 A 20011030

Abstract (en)  
[origin: EP1442667A1] A cigarette filter includes two or more filter sections of the following filter sections a filter section added with a liquid fatty acid ester or a liquid fatty acid having a viscosity of 1 to 300 cP, a filter section added with a glycol having a viscosity of 1 to 300 cP, and a filter section added with a charcoal. <IMAGE>

IPC 1-7  
**A24D 3/04**; **A24D 1/04**; **A24D 3/14**; **A24D 3/16**; **A24F 1/22**; **A24F 1/32**

IPC 8 full level  
**A24D 1/04** (2006.01); **A24D 3/04** (2006.01); **A24D 3/14** (2006.01); **A24D 3/16** (2006.01); **A24F 1/22** (2006.01); **A24F 1/32** (2006.01)

CPC (source: EP KR US)  
**A24D 3/14** (2013.01 - EP KR US); **A24D 3/163** (2013.01 - EP KR US)

Citation (search report)  
• [Y] US 3368566 A 19680213 - AVEDIKIAN SOUREN Z  
• [Y] US 3026226 A 19620320 - TOUEY GEORGE P, et al  
• [Y] US 5038803 A 19910813 - COHEN RICHMOND R [US], et al  
• [XY] GB 1307363 A 19730221 - DIKSTEIN S  
• [Y] GB 1043080 A 19660921 - ADOLF HERMANN FLEISCHMANN  
• [Y] US 3667478 A 19720606 - WATERBURY NELSON J  
• [Y] US 4266561 A 19810512 - LITZINGER ELMER F  
• [A] US 3405717 A 19681015 - BERGER RICHARD M, et al  
• [A] US 3635226 A 19720118 - HORSEWELL HENRY GEORGE, et al  
• [A] US 3658069 A 19720425 - WISE HENRY, et al  
• [A] EP 0539009 A2 19930428 - ROTHMANS INTERNATIONAL LTD [GB]  
• See references of WO 03037114A1

Cited by  
EA010140B1; CN102144809A

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

DOCDB simple family (publication)  
**EP 1442667 A1 20040804**; **EP 1442667 A4 20051102**; CA 2464149 A1 20030508; CN 1284492 C 20061115; CN 1578631 A 20050209; JP 3910175 B2 20070425; JP WO2003037114 A1 20050217; KR 100607539 B1 20060802; KR 20040058205 A 20040703; RU 2004116341 A 20050310; RU 2264767 C2 20051127; TW I243026 B 20051111; UA 75987 C2 20060615; US 2004200490 A1 20041014; WO 03037114 A1 20030508

DOCDB simple family (application)  
**EP 02770247 A 20021023**; CA 2464149 A 20021023; CN 02821399 A 20021023; JP 0210989 W 20021023; JP 2003539470 A 20021023; KR 20047005667 A 20021023; RU 2004116341 A 20021023; TW 91125162 A 20021025; UA 20040504053 A 20021023; US 83402604 A 20040429