

Title (en)  
SMOKING FILTER AND SMOKING ARTICLE

Title (de)  
RAUCHFILTER UND RAUCHARTIKEL

Title (fr)  
FILTRE ANTI-FUMEE ET ARTICLE A FUMER

Publication  
**EP 1470761 A4 20090527 (EN)**

Application  
**EP 03701015 A 20030107**

Priority  
• JP 0300036 W 20030107  
• JP 2002001509 A 20020108

Abstract (en)  
[origin: EP1470761A1] Smoking filter contains hydrotalcite compound added into lamellar structure of octahedral layer of metal hydroxide. An independent claim is also included for the smoking product using the filter.

IPC 1-7  
**A24D 3/12**; **A24D 3/10**; **A24D 3/04**; **D21H 17/67**; **D21H 27/00**

IPC 8 full level  
**A24D 3/16** (2006.01)

CPC (source: EP KR US)  
**A24D 3/063** (2013.01 - KR); **A24D 3/10** (2013.01 - EP KR US); **A24D 3/12** (2013.01 - EP KR US); **A24D 3/16** (2013.01 - EP KR US)

Citation (search report)  
• [XY] JP 2001300220 A 20011030 - ZEON KASEI KK  
• [Y] EP 0532329 A2 19930317 - REYNOLDS TOBACCO CO R [US]  
• [E] JP 2003155696 A 20030530 - OJI PAPER CO  
• [PA] EP 1238594 A2 20020911 - PERA IVO [US]  
• [A] JP H11553 A 19990106 - NIPPON STEEL CORP  
• [A] GB 2003720 A 19790321 - BAT CIGARETTENFAB GMBH  
• See references of WO 03056947A1

Cited by  
CN102551206A; CN110639283A; EP2789249A4; EP3915407A4; EP3400814A4; US11576428B2; EP2540174B1

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

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 03701015 A 20030107**; AU 2003202479 A 20030107; CA 2472385 A 20030107; CN 03801974 A 20030107; CN 201010525614 A 20030107; DK 03701015 T 20030107; ES 03701015 T 20030107; JP 0300036 W 20030107; JP 2003557319 A 20030107; KR 20047010408 A 20030107; MY PI20030015 A 20030103; PT 03701015 T 20030107; RU 2004124060 A 20030107; TW 91137960 A 20021231; UA 20040806603 A 20030107; US 88508804 A 20040707