

Title (en)
FILTER FOR CIGARETTE

Title (de)
ZIGARETTENFILTER

Title (fr)
FILTRE POUR CIGARETTE

Publication
EP 1541043 B1 20140305 (EN)

Application
EP 03797591 A 20030912

Priority
• JP 0311724 W 20030912
• JP 2002273287 A 20020919

Abstract (en)
[origin: EP1541043A1] A cigarette filter has a filter medium containing a basic amino acid or a basic amino acid salt and a moisturizing agent selected from the group consisting of glycerin, sodium propionate and sodium lactate. <IMAGE>

IPC 8 full level
A24D 3/14 (2006.01)

CPC (source: EP KR)
A24D 3/14 (2013.01 - EP KR)

Cited by
WO2008139042A1; US9717271B2; US10070664B2

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 RO SE SI SK TR

DOCDB simple family (publication)
EP 1541043 A1 20050615; EP 1541043 A4 20101020; EP 1541043 B1 20140305; AU 2003264421 A1 20040408; CA 2499648 A1 20040401; CA 2499648 C 20081216; CN 100496313 C 20090610; CN 1681405 A 20051012; DK 1541043 T3 20140317; ES 2450926 T3 20140325; HK 1079059 A1 20060331; JP 4224459 B2 20090212; JP WO2004026053 A1 20060112; KR 100641726 B1 20061110; KR 20050057365 A 20050616; MY 135473 A 20080430; PT 1541043 E 20140410; RU 2005111547 A 20050920; RU 2291658 C2 20070120; TW 200406161 A 20040501; TW I281380 B 20070521; UA 78604 C2 20070410; WO 2004026053 A1 20040401

DOCDB simple family (application)
EP 03797591 A 20030912; AU 2003264421 A 20030912; CA 2499648 A 20030912; CN 03822153 A 20030912; DK 03797591 T 20030912; ES 03797591 T 20030912; HK 05111185 A 20051207; JP 0311724 W 20030912; JP 2004537558 A 20030912; KR 20057004499 A 20050316; MY PI20033569 A 20030918; PT 03797591 T 20030912; RU 2005111547 A 20030912; TW 92125709 A 20030918; UA 2005003585 A 20030912