

Title (en)  
CIGARETTE FILTER MATERIAL AND CIGARETTE FILTER

Title (de)  
ZIGARETTENFILTERMATERIAL UND ZIGARETTENFILTER

Title (fr)  
MATERIAU POUR FILTRE A CIGARETTE ET FILTRE A CIGARETTE

Publication  
**EP 1856991 A4 20130123 (EN)**

Application  
**EP 06712433 A 20060126**

Priority  
• JP 2006301251 W 20060126  
• JP 2005027011 A 20050202

Abstract (en)  
[origin: EP1856991A1] A cigarette filter material useful for selectively and efficiently reducing formaldehyde while maintaining a palatable component such as nicotine or tar is provided. A cigarette filter material is obtained by adhesively treating a substrate (such as a cellulose acetate fiber) with a dispersion comprising a particulate polysaccharide having an amino group (e.g., chitosan) and a medium. The medium may be a polar solvent (e.g., water, and an alcohol), and a plasticizer for the substrate. A cigarette filter comprising such cigarette filter material can efficiently and selectively reduce formaldehyde. For example, the cigarette filter ensures a retention of formaldehyde of not more than 65% while maintaining retentions of nicotine and tar of not less than 75%, respectively.

IPC 8 full level  
**A24D 3/14** (2006.01); **A24D 1/04** (2006.01); **A24D 3/02** (2006.01)

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

Citation (search report)  
• [Y] US 4018678 A 19770419 - PENISTON QUINTIN P, et al  
• [Y] US 3262181 A 19660726 - HAWKINS ROY E, et al  
• See references of WO 2006082748A1

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Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 1856991 A1 20071121; EP 1856991 A4 20130123; EP 1856991 B1 20141231**; JP 4937104 B2 20120523; JP WO2006082748 A1 20080626; US 2008087290 A1 20080417; WO 2006082748 A1 20060810

DOCDB simple family (application)  
**EP 06712433 A 20060126**; JP 2006301251 W 20060126; JP 2007501542 A 20060126; US 79599906 A 20060126