

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
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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.

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CPC (source: EP US)
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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

Cited by
CN108851208A; CZ309558B6; US10070664B2; WO2021225291A1

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