

Title (en)
CIGARETTE FILTER

Title (de)
ZIGARETTENFILTER

Title (fr)
FILTRE DE CIGARETTE

Publication
EP 1411784 A1 20040428 (EN)

Application
EP 02756831 A 20020730

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Abstract (en)
[origin: WO03015544A1] A cigarette filter that includes a multiple section filter which reduces the level of predetermined smoke constituents. The filter (130) consists of a fibrous filter plug (132) located at the mouth-end of the cigarette, a section (136) containing a selective adsorbent material, and a section (134) containing a general adsorbent material. The selective adsorbent material, such as a phenol-formaldehyde resin matrix surface-functionalized with mainly primary and secondary amine functional groups, removes specific smoke constituents from the tobacco smoke. The general adsorbent material, such as activated charcoal, is preferably capable of adsorbing a range of chemical compounds without a high degree of specificity. Structurally, the fibrous filter plug, the selective adsorbent section, and the general adsorbent section are co-axially aligned in tandem.

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IPC 8 full level
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