

Title (en)

Selective filtration of cigarette smoke using chitosan derivatives

Title (de)

Selektive Filtrierung von Zigarettenrauch mittels Chitosanderivate

Title (fr)

Filtrage sélectif de la fumée de cigarette au moyen de dérivés de chitosane

Publication

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Application

EP 12176082 A 20050427

Priority

- EP 05740341 A 20050427
- US 84216504 A 20040510

Abstract (en)

A smoking article filter having a porous resin with a high surface area to mass ratio comprised of a chitosan derivative. Preferred embodiments include chitosan cross-linked with glutaraldehyde and chitosan cross-linked with glyoxal. The chitosan derivative provides for the selective filtration of cigarette smoke, particularly for the removal of aldehydes, hydrogen cyanide, heavy metals and carbonyls.

IPC 8 full level

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