

Title (en)
CIGARETTE FILTER CAPABLE OF REMOVING HARMFUL SUBSTANCE

Title (de)
ZIGARETTENFILTER, MIT DEM SICH SCHÄDLICHE SUBSTANZEN ENTFERNEN LASSEN

Title (fr)
FILTRE DE CIGARETTE CAPABLE DE SUPPRIMER UNE SUBSTANCE NOCIVE

Publication
EP 1897455 A1 20080312 (EN)

Application
EP 05736754 A 20050428

Priority
JP 2005008163 W 20050428

Abstract (en)
[PROBLEMS] To provide a cigarette filter that does not impair the distinctive flavor of a cigarette and the air permeability of filter while smoking, and at the same time, can more effectively remove harmful substances such as a pyrene that is generated from the cigarette. [MEANS FOR SOLVING PROBLEMS] The cigarette filter comprising a filter fiber bundle body which cigarette smoke passes through; a fine powder with a high surface area ratio that are mixed and scattered in the filter fiber bundle body; and a double-stranded DNA molecule attached to the outer surface of the fine powder with a high surface area ratio, characterized in that harmful substances such as benzo[a]pyrene contained in the cigarette smoke can be removed by intercalation into the double-stranded DNA molecule.

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