

Title (en)
COMPOSITE MATERIAL OF HIGH COHESIVE STRENGTH, METHOD OF PREPARATION AND USES, ESPECIALLY IN CIGARETTE FILTERS

Title (de)
VERBUNDWERKSTOFF MIT HOHER KOHÄSION, HERSTELLUNGSVERFAHREN UND VERWENDUNGEN, INSBESONDERE IN ZIGARETTENFILTERN

Title (fr)
MATERIAU COMPOSITE DE COHESION ELEVEE, PROCEDE DE PREPARATION ET UTILISATIONS, NOTAMMENT DANS LES FILTRES A CIGARETTES

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Application
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Abstract (en)
[origin: WO2008031816A2] The invention relates to a composite material of high cohesive strength, formed from at least one polymer and from at least one compound that is chosen from mineral oxides, aluminosilicates and active carbon, said composite material possessing: a mean particle size of at least 100 nm, a pore volume (Vd1) formed by pores with a diameter of between 3.6 and 1000 nm, equal to at least 0.2 cm³/g, a cohesive strength such that its content of particles with a size of less than 100 nm, obtained after being subjected to an air pressure of 2 bar, is less than 1.5%, preferably 0.0%, by volume. The invention also relates to a method of preparing said composite material. It also relates to the use of this composite material as liquid support, catalyst support, additive, or for liquid or gas filtration, in particular in cigarette filters.

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