

Title (en)
COATED MICROPOROUS MATERIALS HAVING FILTRATION AND ADSORPTION PROPERTIES AND THEIR USE IN FLUID PURIFICATION PROCESSES

Title (de)
BESCHICHTETE MIKROPORÖSE MATERIAL MIT FILTRATIONS- UND ADSORPTIONSEIGENSCHAFTEN UND DEREN VERWENDUNG IN EINEM FLUIDREINIGUNGSVERFAHREN

Title (fr)
MATIÈRE MICROPOREUSE REVÊTUE AYANT DES PROPRIÉTÉS DE FILTRATION ET D'ADSORPTION, ET LEUR UTILISATION DANS DES PROCÉDÉS DE PURIFICATION DE FLUIDE

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Application
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Abstract (en)
[origin: WO2015073161A1] The present invention is directed to microfiltration and ultrafiltration membranes comprising a microporous material. The microporous material comprises: (a) a polyolefin matrix present in an amount of at least 2 percent by weight, (b) finely divided, particulate, substantially water-insoluble silica filler distributed throughout said matrix, said filler constituting from about 10 percent to about 90 percent by weight of said coated microporous material substrate, (c) at least 20 percent by volume of a network of interconnecting pores communicating throughout the coated microporous material, and (d) at least one coating composition applied to at least one surface of the membrane to adjust the surface energy of the membrane.

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