

Title (en)

A SUBSTRATE AND A METHOD FOR PURIFICATION AND ANALYSIS OF FLUIDS

Title (de)

SUBSTRAT UND VERFAHREN ZUR REINIGUNG UND ANALYSE VON FLÜSSIGKEITEN

Title (fr)

SUBSTRAT ET PROCÉDÉ DE PURIFICATION ET D'ANALYSE DE FLUIDES

Publication

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Application

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Abstract (en)

[origin: WO2016016872A1] A substrate for and a method to purify fluids, especially of biological origin, is provided here. The substrate has one dimensionally self-organized or self-assembled inorganic nanofibers. The fibers have diameter below 100 nm and ultra-high aspect ratio (length: diameter > 100,000:1). The substrate has a high porosity (over 50%) due to weak bonds between adjacent fibers. The substrate is capable of withstanding temperatures over 350°C. A method to purify fluids is also provided.

IPC 8 full level

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