

Title (en)
CARRIER FOR AQUEOUS MEDIA

Title (de)
TRÄGER FÜR WÄSSRIGE MEDIEN

Title (fr)
SUPPORT POUR MILIEUX AQUEUX

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Abstract (en)
[origin: WO2005003215A1] The invention relates to a carrier in the form of particles, which can be loaded with aqueous media. Said particles are formed from a porous hydrophobic polymer substrate, have an average particle size ranging between 50 nm and 5000 nm, and are provided with an at least partly open-pore structure having an average pore diameter ranging between 1 nm and 200 nm. The inventive carrier can be loaded with 10 to 95 percent by weight of water relative to the total weight of the loaded carrier, said loadability being determined by contacting the carrier with water. Also disclosed is a storage device which is based on said carrier and is loaded with an aqueous medium. The invention further relates to a method for producing such a carrier in the form of particles that are based on a hydrophobic polymer, said carrier being loadable with 10 to 95 percent by weight of water. According to said method, the polymer substrate that is provided in particles is hydrophilized on at least one portion of the entire surface thereof, which comprises the exterior surface and the surface of the pores thereof.

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