

Title (en)
HYDROGEL PRODUCT FOR ADSORPTION PURPOSES

Title (de)
HYDROGELERZEUGNIS FÜR ADSORPTIONSANWENDUNGEN

Title (fr)
PRODUIT HYDROGEL A DES FINS D'ADSORPTION

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Abstract (en)
[origin: WO0194007A1] The present invention relates to a hydrogel product for adsorption purposes where an in water insoluble support matrix is cross-linked with polymers which give rise to an in water swellable adsorbent. Further the polymers are internally cross-linked through at least one cross-linking agent. As a support matrix an organic polymer is used or a combination of such, e.g. polysaccharide such as agar, cellulose, starch and so on, protein and components of protein and polysaccharide. The support matrix is substituted with a first, soluble polymer material chemically bound to the support matrix, whereupon additional polymer materials optionally are built-in in the primary synthesised support matrix complex through different kinds of cross-links, wherein optionally the support matrix is present in the form of an acid- and base-stable residue.

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