

Title (en)
MOLECULARLY IMPRINTED POLYMER, PROCESS FOR PRODUCTION THEREOF AND PROCESS FOR THE SELECTIVE TREATMENT OF POORLY DEGRADABLE AND/OR TOXIC COMPOUNDS IN LIQUIDS

Title (de)
MOLEKULAR GEPRÄGTES POLYMER, VERFAHREN ZU SEINER HERSTELLUNG UND VERFAHREN ZUR SELEKTIVEN BEHANDLUNG VON SCHWER ABBAUBAREN UND/ODER TOXISCHEN VERBINDUNGEN IN FLÜSSIGKEITEN

Title (fr)
POLYMERES GRAVE MOLECULAIREMENT, SON PROCEDE DE FABRICATION ET PROCEDE DE TRAITEMENT SELECTIF DE COMPOSES DIFFICILEMENT DEGRADABLES ET/OU TOXIQUES DANS DES LIQUIDES

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Abstract (en)
[origin: WO2007096135A1] The present invention relates to a molecularly imprinted polymer and also to a production process therefor and a process for selective treatment of poorly degradable and/or toxic compounds in liquids using the molecularly imprinted polymers. Such polymers and processes are required for selective removal and/or degradation of biological, poorly degradable pollutants or toxic compounds, for example from wastewaters. Consequently, a molecularly imprinted polymer suitable for the selective treatment of at least one poorly degradable and/or toxic compound is provided having a polymeric network which is made up of monomers and has cavities of predetermined size, wherein the cavities are arranged at predetermined spacings and have specific binding sites and/or patterns for the poorly degradable and/or toxic compounds.

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