

Title (en)
METHOD, DECONTAMINANT AND CHEMICAL KIT FOR THE DECONTAMINATION OF MEDIA POLLUTED BY METALS AND HYDROPHOBIC ORGANIC COMPOUNDS

Title (de)
VERFAHREN, DEKONTAMINIERENDES UND CHEMISCHES KIT ZUR DEKONTAMINIERUNG VON DURCH METALLE UND HYDROPHOBE ORGANISCHE VERBINDUNGEN VERSCHMUTZTEN MEDIEN

Title (fr)
PROCÉDÉ, DÉCONTAMINANT ET KIT CHIMIQUE POUR LA DÉCONTAMINATION DE MILIEUX POLLUÉS PAR DES MÉTAUX ET DES COMPOSÉS ORGANIQUES HYDROPHOBES

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Application
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Abstract (en)
[origin: WO2009043177A1] The invention relates to a method for decontaminating a medium polluted by metals and hydrophobic organic compounds (COH), that comprises: (a) obtaining an acidic pulp from water, an acid, a chloride salt, a surfactant and the polluted medium; (b) making a floatation on the acidic pulp in order to form a COH-rich foam and a COH-depleted pulp; (c) recovering the foam; and (d) separating the depleted foam in order to obtain a processed solid and a liquid effluent rich in metal ions. The invention also relates to a decontaminant containing an acid, a chloride salt and a surfactant, and to a chemical kit for decontaminating a polluted medium, that comprises the decontaminant in which the acid, the chloride salt and the surfactant can be mixed with the polluted medium in the presence of water before removing a portion at least of the metals and of the COH from the polluted medium.

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Citation (search report)
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• [XI] EP 0479258 A1 19920408 - ENSR CORP [US]
• [I] EP 0193109 A2 19860903 - HENKEL KGAA [DE]
• See references of WO 2009043177A1

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