

Process for the biodegradation of hydrocarbons and ethers in subsurface soil by introduction of a solid oxygen source by hydraulic fracturing

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Abstract

A bioremediation of subsurface soil formations contaminated with hazardous wastes is achieved by hydraulic fracturing of the subsurface soil formation with simultaneous introduction of sodium percarbonate coated with polyvinylidene chloride as a solid oxygen source (SOS) for establishing colonies of the biodegrading bacteria within the fractures of the soil formation and Isolite CG, porous ceramic.