

Title (en)

PROCESS, METHOD, AND SYSTEM FOR REMOVING HEAVY METALS FROM OILY SOLIDS

Title (de)

VERFAHREN, PROZESS UND SYSTEM ZUR ENTFERNUNG VON SCHWERMETALLEN AUS ÖLHALTIGEN FESTSTOFFEN

Title (fr)

PROCESSUS, PROCÉDÉ ET SYSTÈME POUR ÉLIMINER LES MÉTAUX LOURDS À PARTIR DE SOLIDES HUILEUX

Publication

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Application

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Abstract (en)

[origin: WO2014158808A1] Oil is recovered from a mercury containing oily solids by mixing the solids with at least a treating agent selected from selected from flocculants, sulfidic compounds, demulsifiers, and combinations thereof, and optionally a solvent, forming a mixture. The mixture is then separated to recover a first phase containing treated oil having less than 50% of the original amount of mercury in the oily solids, and a second phase containing treated solids having a reduced concentration of mercury. In one embodiment, the oily solids are selected from drilling muds; oily sediments coating inside of pipelines; sediment deposits on crude oil tanks, vessels, and separators; surface coating on equipment; slop oil from upstream operations; oily solids from heavy oil processing operations; abrasants; solids recovered from processes for removing mercury from hydrocarbon materials; filter-aid materials from mercury removal operations; spill clean-up materials; and mixtures thereof.

IPC 8 full level

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