

Title (en)

PROCESS FOR REMOVING NICKEL AND VANADIUM FROM HYDROCARBONS

Title (de)

VERFAHREN ZUR ENTFERNUNG VON NICKEL UND VANADIUM AUS KOHLENWASSERSTOFFEN

Title (fr)

PROCÉDÉ D'ÉLIMINATION DU NICKEL ET DU VANADIUM DES HYDROCARBURES

Publication

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Application

EP 08728461 A 20080129

Priority

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- US 1927608 A 20080124

Abstract (en)

[origin: US2008179221A1] Nickel and/or vanadium can be removed or transferred from a hydrocarbon phase to a water phase using an Extractant Composition selected from an isocyanate, a thiocyanate, a cyanides, mercaptides, nitrites, and mixtures thereof. The Extractant Composition may also include at least one mineral acid, a solvent, and other additives. The invention permits transfer of vanadium and nickel from a hydrocarbon into an aqueous phase with little or no hydrocarbon phase undercarry into the aqueous phase. The composition is particularly useful in treating crude oil.

IPC 8 full level

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