

Title (en)

METHOD FOR SEPARATING WATER FROM CRUDE OIL AND PETROLEUM EMULSION CRACKING AGENT USED THEREIN

Title (de)

VERFAHREN ZUR ABTRENNUNG VON WASSER AUS ROHÖL UND HIERBEI VERWENDETE ERDÖLEMULSIONSSPALTER

Title (fr)

PROCEDE PERMETTANT DE SEPARER L'EAU DU PETROLE BRUT ET AGENT DE CRAQUAGE D'EMULSION D'HUILE BRUTE UTILISE A CET EFFET

Publication

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Application

EP 95920064 A 19950519

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Abstract (en)

[origin: US5759409A] PCT No. PCT/EP95/01901 Sec. 371 Date Dec. 2, 1996 Sec. 102(e) Date Dec. 2, 1996 PCT Filed May 19, 1995 PCT Pub. No. WO95/33018 PCT Pub. Date Dec. 7, 1995 Water is separated from crude oil by a process in which the oil demulsifier used is a mixture of A) compounds which have demulsifying activity and are of the structure type of the (a) polyethyleneimine alkoxyate, (b) mono- or oligoamine alkoxyate, (c) alkoxyated alkylphenol/formaldehyde resins, (d) alkoxyated amine-modified alkylphenol/formaldehyde resins, (e) co- or terpolymers of alkoxyated acrylates or methacrylates with vinyl compounds, (f) condensates of mono- or oligoamine alkoxyates, dicarboxylic acids and alkylene oxide block copolymers, where these condensates may furthermore be completely or partially quaternized at the nitrogen atoms, or (g) compounds (a) to (f) reacted with crosslinking agents and B) as a demulsifying assistant, a polyalkylene glycol ether which has no demulsifying activity and is of the general formula I or II R₁[(OA₁)_a-OH]_n(I)H-(OA₁)_b-(OA₂)_c-(OA₃)_d-OH(II) where R₁ is a monovalent to decavalent C₁-C₂₀ alkyl group, phenyl group or alkylphenyl group where the alkyl radical is of 1 to 20 carbon atoms, A₁ to A₃ are each a 1,2-alkylene group of 2 to 4 carbon atoms or a phenylethylene group, n is from 1 to 10, a is from 1 to 50 and b, c and d are each from 0 to 50, the sum b+c+d being greater than 3.

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C10G 33/04

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