

Title (en)

COMPOSITION AND METHOD FOR CLEANING HYDROCARBON OIL FROM HARD SURFACES

Publication

EP 0084411 B1 19850904 (EN)

Application

EP 83300048 A 19830106

Priority

GB 8200376 A 19820107

Abstract (en)

[origin: EP0084411A1] Hydrocarbon oils may be cleaned from hard, inorganic surfaces by the application of an aqueous solution (e.g. sea water) containing from 0.1 to 10% by weight of a mixture of (A) 5 to 95% by weight of an alkoxylated, alcohol, carboxylic acid, alkyl phenol, alkylamine or nonionic phosphate ester, having in each case at least one alkyl group with from 6 to 22 carbon atoms and from 1 to 20 ethyleneoxy and/or propyleneoxy groups, with (B) from 95% to 5% by weight of at least one alkenyl or alkyl mono- or di-ethanolamide or an ethoxylated or polyethoxylated alkenyl or alkyl mono- or di-ethanolamide wherein the alkyl or alkenyl group has from 5 to 17 carbon atoms and having 1 to 12 total ethoxy groups. The method is of particular value for cleaning drilling oil from rock cuttings in offshore drilling operations.

IPC 1-7

C11D 1/835; C23G 1/24

IPC 8 full level

C11D 1/52 (2006.01); **E21B 21/06** (2006.01); **E21B 41/00** (2006.01)

CPC (source: EP)

C11D 1/523 (2013.01); **C11D 1/526** (2013.01); **E21B 21/068** (2013.01); **E21B 41/005** (2013.01)

Citation (examination)

EP 0018630 A1 19801112 - HENKEL KGAA [DE]

Cited by

US5501816A; US5326407A; EP0103779A3; WO2004057154A1; WO2006010375A1; WO2004050790A1; WO9202665A1; WO9208823A1; US7229952B2; US6846420B2; US7951755B2; US8293686B2; US7374690B2; US7192527B2

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0084411 A1 19830727; EP 0084411 B1 19850904; CA 1203450 A 19860422; DE 3360678 D1 19851010; DK 3483 A 19830708; DK 3483 D0 19830106; ES 518812 A0 19840616; ES 8405878 A1 19840616; GB 2116579 A 19830928; GB 2116579 B 19850829; GR 77136 B 19840907; IE 53660 B1 19890104; IE 830026 L 19830707; IN 158886 B 19870207; NO 830032 L 19830708; PH 19657 A 19860609

DOCDB simple family (application)

EP 83300048 A 19830106; CA 419049 A 19830107; DE 3360678 T 19830106; DK 3483 A 19830106; ES 518812 A 19830105; GB 8236665 A 19821223; GR 830170199 A 19830104; IE 2683 A 19830106; IN 948DE1982 A 19821231; NO 830032 A 19830106; PH 28349 A 19830105