

Title (en)

USE OF ALKANESULPHONIC ACIDS AS ASPHALTENE DISPERSANTS

Title (de)

VERWENDUNG VON ALKANSULFONSÄUREN ALS ASPHALTEN-DISPERGATOREN

Title (fr)

UTILISATION D'ACIDES ALKANESULFONIQUES COMME DISPERSANTS D'ASPHALTENE

Publication

EP 0932746 A2 19990804 (DE)

Application

EP 97912134 A 19971008

Priority

- DE 19642493 A 19961015
- EP 9705513 W 19971008

Abstract (en)

[origin: DE19642493A1] The invention concerns the use of secondary alkanesulphonic acids as asphaltene dispersants in crude oils and products derived therefrom, the chain being between 8 and 22 carbon atoms long.

IPC 1-7

E21B 37/06; **C10G 75/04**; **C10L 10/00**; **C10L 1/24**; **C10L 1/14**; **C10L 1/10**

IPC 8 full level

E21B 37/06 (2006.01); **C09K 8/524** (2006.01); **C09K 23/02** (2022.01); **C10G 75/04** (2006.01); **C10L 1/24** (2006.01); **C10L 10/18** (2006.01)

CPC (source: EP US)

C09K 8/524 (2013.01 - EP US); **C10G 75/04** (2013.01 - EP US)

Citation (search report)

See references of WO 9816718A2

Designated contracting state (EPC)

BE DE DK FR GB IT NL SE

DOCDB simple family (publication)

DE 19642493 A1 19980416; AR 008889 A1 20000223; BR 9712323 A 19990831; CA 2268821 A1 19980423; CO 4870786 A1 19991227; EP 0932746 A2 19990804; JP 2001502389 A 20010220; NO 991557 D0 19990330; NO 991557 L 19990330; US 5925233 A 19990720; WO 9816718 A2 19980423; WO 9816718 A3 19980522

DOCDB simple family (application)

DE 19642493 A 19961015; AR P970104705 A 19971013; BR 9712323 A 19971008; CA 2268821 A 19971008; CO 97059611 A 19971010; EP 9705513 W 19971008; EP 97912134 A 19971008; JP 51798398 A 19971008; NO 991557 A 19990330; US 95003397 A 19971014