

Title (en)

Oil-soluble imine-acid reaction products as asphaltene dispersants in crude oil

Title (de)

Öllösliche Imin-Säure-Umsetzungsprodukte, als Asphaltendispergiermittel in Rohöl

Title (fr)

Produits de réaction imine-acide, solubles dans l'huile comme dispersants d'asphaltène dans le pétrole brut

Publication

EP 1357172 A2 20031029 (EN)

Application

EP 03252271 A 20030410

Priority

US 37487702 P 20020423

Abstract (en)

A composition useful for dispersing asphaltenes in crude oil comprising: (a) 0.001% to 20% of at least one reaction product of (i) an imine; and (ii) an organic acid; and (b) crude oil.

IPC 1-7

C10L 1/22; C10L 1/24; C10L 1/26; C10G 75/04

IPC 8 full level

C10L 1/22 (2006.01); **C10L 1/24** (2006.01); **C10L 1/26** (2006.01); C10L 1/16 (2006.01); C10L 1/18 (2006.01)

CPC (source: EP)

C10L 1/221 (2013.01); **C10L 1/2493** (2013.01); **C10L 1/2691** (2013.01); C10L 1/1608 (2013.01); C10L 1/1616 (2013.01); C10L 1/188 (2013.01); C10L 1/1881 (2013.01); C10L 1/189 (2013.01); C10L 1/2283 (2013.01); C10L 1/2437 (2013.01); C10L 1/2608 (2013.01)

Cited by

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EP 1357172 A2 20031029; **EP 1357172 A3 20040317**; **EP 1357172 B1 20060705**; CA 2424915 A1 20031023; DE 60306574 D1 20060817; MX PA03003359 A 20050816; NO 20031602 D0 20030409; NO 20031602 L 20031024

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