

Title (en)

Antifoulant compositions and uses thereof.

Title (de)

Zusammensetzungen zur Verhinderung von Inkrustierungen und deren Verwendungen.

Title (fr)

Compositions pour prévenir les incrustations et leurs utilisations.

Publication

EP 0267674 A1 19880518 (EN)

Application

EP 87307863 A 19870904

Priority

US 91345086 A 19860930

Abstract (en)

Overbase complexes of metal oxides and carbonates associated with metal salts of organic acids are useful as antifoulants for oil, gas and petrochemical refining processes. The invention provides an antifoulant composition comprising at least one overbase complex of (A) an oxide of a metal selected from the group consisting of Mg, Ca, Ba, Sr and Mn and mixtures thereof and (B) a metal salt of at least one organic acid complexing agent.

IPC 1-7

C10G 9/16; **C23F 15/00**

IPC 8 full level

C10L 3/00 (2006.01); **C09K 3/00** (2006.01); **C10G 1/00** (2006.01); **C10G 9/16** (2006.01); **C10K 1/00** (2006.01)

CPC (source: EP KR)

C10G 9/16 (2013.01 - EP); **C10G 35/06** (2013.01 - KR)

Citation (search report)

- US 3328284 A 19670627 - GODAR RICHARD L
- US 4024051 A 19770517 - SHELL DON C, et al
- US 4347147 A 19820831 - ALLAIN RONALD J, et al

Cited by

US5954945A; US5851377A; US11767596B2; US6228253B1; US8518238B2; US11697756B2; US7935247B2; WO9855563A3; US6274530B1; US7935246B2; US7416654B2; US7425259B2; US7951758B2; US1199915B2; US12006483B2

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0267674 A1 19880518; AU 578567 B2 19881027; AU 7904587 A 19880303; BR 8704779 A 19880517; CN 87106634 A 19880615; DE 267674 T1 19890824; ES 2008061 A4 19890716; JP S6397679 A 19880428; KR 880004067 A 19880601

DOCDB simple family (application)

EP 87307863 A 19870904; AU 7904587 A 19870928; BR 8704779 A 19870916; CN 87106634 A 19870930; DE 87307863 T 19870904; ES 87307863 T 19870904; JP 23912387 A 19870925; KR 870010813 A 19870929