

Title (en)
Modified dispersant compositions

Title (de)
Modifizierte Dispergierzusammensetzungen

Title (fr)
Compositions de dispersant modifié

Publication
EP 0537386 B1 19961211 (EN)

Application
EP 91309188 A 19911008

Priority
EP 91309188 A 19911008

Abstract (en)
[origin: EP0537386A1] An oil soluble dispersant composition formed by reacting a basic nitrogen-containing ashless dispersant (i) with at least one dibasic acylating agent and (ii) with at least one phosphorus compound, said reactions (i) and (ii) being conducted concurrently or sequentially in any order such that the initial ashless dispersant is chemically modified via acylation in (i) and by phosphorylation in (ii).

IPC 1-7
C10M 133/52; C10M 159/12

IPC 8 full level
C10M 133/52 (2006.01); **C10M 159/12** (2006.01); **C10M 159/16** (2006.01)

CPC (source: EP)
C10M 133/52 (2013.01); **C10M 159/123** (2013.01); **C10M 159/16** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/08** (2013.01);
C10M 2215/082 (2013.01); **C10M 2215/086** (2013.01); **C10M 2215/22** (2013.01); **C10M 2215/221** (2013.01); **C10M 2215/225** (2013.01);
C10M 2215/226 (2013.01); **C10M 2215/24** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/28** (2013.01); **C10M 2215/30** (2013.01);
C10M 2217/042 (2013.01); **C10M 2217/043** (2013.01); **C10M 2217/046** (2013.01); **C10M 2217/06** (2013.01); **C10M 2223/12** (2013.01);
C10M 2223/121 (2013.01)

Cited by
US8901050B2; US8716202B2; US9150811B2; US8993496B2

Designated contracting state (EPC)
BE DE ES FR GB IT

DOCDB simple family (publication)
EP 0537386 A1 19930421; EP 0537386 B1 19961211; DE 69123585 D1 19970123; DE 69123585 T2 19970403

DOCDB simple family (application)
EP 91309188 A 19911008; DE 69123585 T 19911008