

Title (en)

Metal detergent combination in lubricating oil compositions

Title (de)

Metall-Detergentien-Kombination in Schmierölszusammensetzungen

Title (fr)

Combinaison de détergents métalliques dans des compositions d'huiles lubrifiantes

Publication

EP 1724329 B1 20121010 (EN)

Application

EP 06112912 A 20060421

Priority

- EP 05253123 A 20050520
- EP 06112912 A 20060421

Abstract (en)

[origin: EP1724329A1] An internal combustion engine crankcase lubricating oil composition has a phosphorus content of not greater than 0.08 mass % and a metal detergent additive system comprising a calcium salicylate and a magnesium salicylate and having a mass ratio of magnesium atoms to calcium atoms of greater than one.

IPC 8 full level

C10M 159/22 (2006.01)

CPC (source: EP)

C10M 159/22 (2013.01); **C10M 2207/262** (2013.01); **C10N 2010/04** (2013.01); **C10N 2030/06** (2013.01); **C10N 2030/42** (2020.05); **C10N 2030/45** (2020.05); **C10N 2030/52** (2020.05); **C10N 2040/25** (2013.01)

Cited by

EP2690165A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1724329 A1 20061122; EP 1724329 B1 20121010

DOCDB simple family (application)

EP 06112912 A 20060421