

Title (en)
Lubricating oil composition

Title (de)
Schmierölszusammensetzung

Title (fr)
Composition d'huile lubrifiante

Publication
EP 1256619 A1 20021113 (EN)

Application
EP 01201752 A 20010511

Priority
EP 01201752 A 20010511

Abstract (en)
A lubricating oil composition comprising: (A) an oil of lubricating viscosity, in a major amount, and added thereto: (B) a detergent composition comprising one or more metal detergents which comprises metal salts of organic acids, in a minor amount, wherein the detergent composition comprises more than 50 mole % of a metal salt of an aromatic carboxylic acid, based on the moles of the metal salts of organic acids in the detergent composition, and (C) one or more co-additives, in a minor amount; wherein the total amounts of phosphorus and sulfur derived from (B) or (C) or both (B) and (C) are less than 0.1 mass % of phosphorus and at most 0.5 mass % of sulfur, based on the mass of the oil composition.

IPC 1-7
C10M 163/00; C10M 165/00; C10M 167/00

IPC 8 full level
C10M 129/10 (2006.01); **C10M 129/54** (2006.01); **C10M 135/30** (2006.01); **C10M 141/02** (2006.01); **C10M 141/08** (2006.01); **C10M 159/20** (2006.01); **C10M 159/22** (2006.01); **C10M 163/00** (2006.01); **C10M 165/00** (2006.01); **C10M 167/00** (2006.01); **C10M 169/04** (2006.01)

CPC (source: EP)
C10M 129/10 (2013.01); **C10M 129/54** (2013.01); **C10M 135/30** (2013.01); **C10M 141/02** (2013.01); **C10M 141/08** (2013.01); **C10M 159/20** (2013.01); **C10M 159/22** (2013.01); **C10M 163/00** (2013.01); **C10M 165/00** (2013.01); **C10M 167/00** (2013.01); **C10M 169/042** (2013.01); **C10M 169/048** (2013.01); C10M 2205/00 (2013.01); C10M 2207/026 (2013.01); C10M 2207/027 (2013.01); C10M 2207/028 (2013.01); C10M 2207/141 (2013.01); C10M 2207/26 (2013.01); C10M 2207/262 (2013.01); C10M 2215/064 (2013.01); C10M 2215/066 (2013.01); C10M 2215/28 (2013.01); C10M 2219/044 (2013.01); C10M 2219/046 (2013.01); C10M 2219/068 (2013.01); C10M 2219/087 (2013.01); C10M 2219/088 (2013.01); C10M 2219/089 (2013.01); C10M 2223/045 (2013.01); C10N 2010/04 (2013.01); C10N 2030/02 (2013.01); C10N 2030/04 (2013.01); C10N 2030/06 (2013.01); C10N 2030/08 (2013.01); C10N 2030/10 (2013.01); C10N 2030/12 (2013.01); C10N 2030/18 (2013.01); C10N 2030/42 (2020.05); C10N 2030/43 (2020.05); C10N 2030/52 (2020.05); C10N 2040/25 (2013.01); C10N 2040/252 (2020.05); C10N 2060/10 (2013.01); C10N 2060/12 (2013.01); C10N 2070/02 (2020.05)

Citation (search report)
• [X] EP 0855437 A1 19980729 - TONEN CORP [JP]
• [X] US 6103672 A 20000815 - DUNN ADRIAN [GB], et al
• [X] WO 9637582 A1 19961128 - EXXON RESEARCH ENGINEERING CO [US], et al
• [X] WO 9428095 A1 19941208 - EXXON RESEARCH ENGINEERING CO [US], et al

Cited by
US9353327B2; US7585820B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1256619 A1 20021113

DOCDB simple family (application)
EP 01201752 A 20010511