

Title (en)
A gas engine lubricating oil composition

Title (de)
Schmierölzusammensetzung für Gasmotoren

Title (fr)
Composition d'huile lubrifiante pour moteurs à gaz

Publication
EP 1347034 A1 20030924 (EN)

Application
EP 03250850 A 20030212

Priority
• EP 03250850 A 20030212
• EP 02251740 A 20020312

Abstract (en)
A gas engine lubricating oil composition having a boron content of more than 95 ppm, the gas engine lubricating oil composition comprising: a major amount of a lubricating oil having a viscosity index of 80 to 120, and including at least 90 mass percent of saturates and 0.03 mass percent or less of sulphur; and at least one metal detergent. <??>The gas engine lubricating oil composition exhibits improved oxidation and reduced deposit formation.

IPC 1-7
C10M 169/04

IPC 8 full level
C10M 169/04 (2006.01)

CPC (source: EP)
C10M 169/04 (2013.01); **C10M 2203/10** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2207/144** (2013.01); **C10M 2207/262** (2013.01); **C10M 2215/064** (2013.01); **C10M 2215/223** (2013.01); **C10M 2223/045** (2013.01); **C10M 2229/041** (2013.01); **C10N 2020/02** (2013.01); **C10N 2030/02** (2013.01); **C10N 2030/04** (2013.01); **C10N 2030/10** (2013.01); **C10N 2030/43** (2020.05); **C10N 2030/45** (2020.05); **C10N 2030/52** (2020.05); **C10N 2040/25** (2013.01); **C10N 2060/14** (2013.01)

Citation (search report)
• [X] WO 0070001 A1 20001123 - LUBRIZOL CORP [US]
• [X] EP 1104800 A2 20010606 - ORONITE JAPAN LTD [JP]
• [A] US 6140282 A 20001031 - CARTWRIGHT STANLEY JAMES [CA], et al
• [A] EP 0725129 A2 19960807 - LUBRIZOL CORP [US]
• [A] EP 0860495 A2 19980826 - TONEN CORP [JP]
• [A] INOUE K: "CALCIUM BORATE OVERBASED MATALLIC DETERGENT", LUBRICATION ENGINEERING, SOCIETY OF TRIBOLOGISTS AND LUBRICATION ENGINEERS, PARK RIDGE, US, vol. 49, no. 4, 1992, pages 263 - 268, XP001018632, ISSN: 0024-7154

Cited by
CN114774184A; EP1712606A4; EP2883945A1

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

DOCDB simple family (publication)
EP 1347034 A1 20030924; EP 1347034 B1 20060614

DOCDB simple family (application)
EP 03250850 A 20030212