

Title (en)
Lubricating Oil Compositions

Title (de)
Schmierölszusammensetzungen

Title (fr)
Compositions d'huiles lubrifiantes

Publication
EP 1661970 B1 20120404 (EN)

Application
EP 05110265 A 20051102

Priority

- EP 04257416 A 20041130
- EP 05110265 A 20051102

Abstract (en)
[origin: EP1661970A1] Lubricating oil compositions having a sulfated ash content of no more than 1.0 mass %, which contain a major amount of oil of lubricating viscosity, a minor amount of calcium salicylate detergent, an amount of a magnesium-based detergent providing the lubricating oil composition with at least 200 ppm of magnesium, an amount of a sulfur-containing molybdenum compound providing the lubricating oil composition with at least 20 ppm of molybdenum, and at least one nitrogen-containing dispersant providing the lubricating oil composition with at least 0.9 mass % nitrogen, which compositions provide improved top ring wear protection in internal combustion engines.

IPC 8 full level
C10M 163/00 (2006.01); **C10M 167/00** (2006.01)

CPC (source: EP)
C10M 163/00 (2013.01); **C10M 167/00** (2013.01); **C10M 2207/144** (2013.01); **C10M 2207/262** (2013.01); **C10M 2215/28** (2013.01); **C10M 2219/046** (2013.01); **C10M 2219/068** (2013.01); **C10M 2223/045** (2013.01); **C10N 2010/04** (2013.01); **C10N 2010/12** (2013.01); **C10N 2030/06** (2013.01); **C10N 2030/42** (2020.05); **C10N 2030/43** (2020.05); **C10N 2030/45** (2020.05); **C10N 2040/252** (2020.05)

Cited by
EP1801191A1; BE1019018A5; US9303229B2; US8586516B2; US9193931B2; US9523061B2; EP1884557B1; EP1887076A1

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