

Title (en)

Lubricating oils having improved friction stability

Title (de)

Schmieröle mit verbesserter Reibungsstabilität

Title (fr)

Huiles de lubrification disposant d'une stabilité de friction améliorée

Publication

EP 2028256 B1 20190828 (EN)

Application

EP 08104153 A 20080529

Priority

US 77096607 A 20070629

Abstract (en)

[origin: US2009005277A1] Lubricating oil compositions having excellent friction stability comprise a base lubricating oil, an oil soluble source of phosphorus and a defined polyalkylene polyamine-based friction modifier that has been reacted with an acylating agent to convert at least one secondary amine group into an amide.

IPC 8 full level

C10M 141/10 (2006.01); **C10M 169/04** (2006.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP KR US)

C10M 137/04 (2013.01 - KR); **C10M 141/10** (2013.01 - EP US); **C10M 149/22** (2013.01 - KR); **C10M 169/04** (2013.01 - KR); **C10M 169/048** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/08** (2013.01 - EP US); **C10M 2215/086** (2013.01 - EP US); **C10M 2215/224** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2217/046** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2219/06** (2013.01 - EP US); **C10M 2219/102** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/00** (2013.01 - EP US); **C10M 2223/049** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP KR US); **C10N 2030/08** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/045** (2020.05 - EP US); **C10N 2060/00** (2013.01 - EP US)

Designated contracting state (EPC)

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