

Title (en)

LUBRICANTS WITH IMPROVED SEAL COMPATIBILITY

Title (de)

SCHMIERMITTEL MIT VERBESSERTER DICHTUNGSVERTRÄGLICHKEIT

Title (fr)

LUBRIFIANTS AYANT UNE COMPATIBILITÉ AMÉLIORÉE AVEC LES JOINTS

Publication

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Application

EP 12784826 A 20121025

Priority

- US 201161552123 P 20111027
- US 2012061767 W 20121025

Abstract (en)

[origin: WO2013063177A1] The present invention relates to lubricating compositions and particularly gear oil compositions that include a minimum level of a specific antioxidant component, where the antioxidant component includes (i) a phenolic antioxidant, (ii) an aminic antioxidant, or (iii) a combination thereof, where the antioxidant component is present in the lubricating composition at from 1.0 percent by weight or higher. Such compositions provide surprisingly good seal compatibility.

IPC 8 full level

C10M 129/91 (2006.01); **C10M 133/12** (2006.01); **C10M 141/06** (2006.01)

CPC (source: EP US)

C10M 129/10 (2013.01 - EP US); **C10M 133/12** (2013.01 - EP US); **C10M 141/06** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2207/023** (2013.01 - US); **C10M 2207/026** (2013.01 - EP US); **C10M 2215/06** (2013.01 - US); **C10M 2215/064** (2013.01 - EP US); **C10N 2030/36** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2013063177A1

Citation (examination)

- EP 2067846 A1 20090610 - IDEMITSU KOSAN CO [JP]
- WO 2009134656 A1 20091105 - DOW GLOBAL TECHNOLOGIES INC [US], et al
- WO 2010150726 A1 20101229 - IDEMITSU KOSAN CO [JP], et al & EP 2447348 A1 20120502 - IDEMITSU KOSAN CO [JP]

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