

Title (en)
LUBRICANT PROVIDING IMPROVED CLEANLINESS FOR TWO-STROKE CYCLE ENGINES

Title (de)
SCHMIERMITTEL MIT VERBESSERTER REINHEIT FÜR ZWEITAKT-MOTOREN

Title (fr)
LUBRIFIANT FOURNISSANT UNE PROPRETÉ AMÉLIORÉE POUR DES MOTEURS À DEUX TEMPS

Publication
EP 2729555 A1 20140514 (EN)

Application
EP 12735693 A 20120626

Priority
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• US 2012044118 W 20120626

Abstract (en)
[origin: WO2013006303A1] A lubricant composition comprising an oil of lubricating viscosity, 0.1 to 2 percent by weight of a Mannich dispersant, and 0.1 to 2 percent by weight of a succinimide dispersant, wherein the succinimide dispersant provides at least about 40 parts per million by weight of nitrogen atoms to the lubricant composition, provides cleanliness to a two-stroke cycle engine.

IPC 8 full level
C10M 141/06 (2006.01); **C10N 10/04** (2006.01); **C10N 30/04** (2006.01); **C10N 40/26** (2006.01)

CPC (source: EP US)
C10M 141/06 (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/0265** (2013.01 - EP US); **C10M 2207/023** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2207/28** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2217/043** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2040/26** (2013.01 - EP US)

C-Set (source: EP US)
1. **C10M 2223/045 + C10N 2010/04**
2. **C10M 2207/28 + C10N 2010/04**

Citation (search report)
See references of WO 2013006303A1

Citation (examination)
WO 03089556 A1 20031030 - LUBRIZOL CORP [US], et al

Designated contracting state (EPC)
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DOCDB simple family (application)
US 2012044118 W 20120626; CA 2841048 A 20120626; CN 201280042936 A 20120626; EP 12735693 A 20120626; IN 114DEN2014 A 20140107; JP 2014518899 A 20120626; US 201214130720 A 20120626