

Title (en)
A lubricating oil composition

Title (de)
Schmierölsammensetzung

Title (fr)
Composition d'huile lubrifiante

Publication
EP 2913384 B1 20170315 (EN)

Application
EP 15151829 A 20150120

Priority
US 201414190151 A 20140226

Abstract (en)
[origin: EP2913384A1] A low sulphated ash lubricating oil composition comprising an overbased magnesium salicylate detergent and an ashless alkylene bis(dihydrocarbyldithiocarbamate) which exhibits an extended drain interval.

IPC 8 full level
C10M 135/18 (2006.01); **C10M 129/54** (2006.01); **C10N 30/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: BR EP GB US)
C10M 129/54 (2013.01 - BR GB US); **C10M 135/18** (2013.01 - BR GB US); **C10M 141/00** (2013.01 - GB); **C10M 141/02** (2013.01 - GB); **C10M 141/08** (2013.01 - BR EP GB US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/144** (2013.01 - BR); **C10M 2207/262** (2013.01 - BR EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2219/066** (2013.01 - BR EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2010/04** (2013.01 - GB); **C10N 2010/12** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/43** (2020.05 - EP US); **C10N 2030/45** (2020.05 - EP GB US); **C10N 2030/52** (2020.05 - EP GB US); **C10N 2030/72** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP GB US); **C10N 2040/252** (2020.05 - EP US); **C10N 2040/255** (2020.05 - EP US); **C10N 2040/26** (2013.01 - EP US)

C-Set (source: EP US)
1. **C10M 2207/262** + **C10N 2010/04**
2. **C10M 2219/046** + **C10N 2010/04**
3. **C10M 2207/028** + **C10N 2010/04**
4. **C10M 2223/045** + **C10N 2010/04**

Cited by
CN110546244A; US2020024541A1; US11479734B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2913384 A1 20150902; **EP 2913384 B1 20170315**; BR 102015004102 A2 20160308; BR 102015004102 B1 20211109; CA 2883416 A1 20150826; CA 2883416 C 20220419; CN 104862030 A 20150826; CN 104862030 B 20190820; GB 201503263 D0 20150415; GB 2525479 A 20151028; GB 2525479 B 20160803; JP 2015160956 A 20150907; JP 6559974 B2 20190814; SG 10201500563W A 20150929; US 2015240181 A1 20150827

DOCDB simple family (application)
EP 15151829 A 20150120; BR 102015004102 A 20150225; CA 2883416 A 20150226; CN 201510087026 A 20150225; GB 201503263 A 20150226; JP 2015036261 A 20150226; SG 10201500563W A 20150123; US 201414190151 A 20140226