

Title (en)

MULTIPLE METAL CORROSION INHIBITOR

Title (de)

MEHRFACH-METALLKORROSIONSHEMMER

Title (fr)

INHIBITEUR DE LA CORROSION DE MULTIPLES MÉTAUX

Publication

**EP 2118245 A2 20091118 (EN)**

Application

**EP 08708255 A 20080128**

Priority

- EP 2008050932 W 20080128
- US 89994607 P 20070207

Abstract (en)

[origin: WO2008095805A2] Subject matter of the present invention is a lubricant composition comprising a) A lubricant; b) A triazole metal deactivator; c) A borate ester; and, optionally, d) An amine phosphate. The invention allows for the formulation of engine lubricants that can protect copper, lead, iron and zinc from corrosion for the life of the lubricant.

IPC 8 full level

**C10M 133/44** (2006.01); **C10M 139/00** (2006.01); **C10M 141/12** (2006.01); **C10N 30/12** (2006.01)

CPC (source: EP KR US)

**C10M 133/44** (2013.01 - KR); **C10M 139/00** (2013.01 - KR); **C10M 141/12** (2013.01 - EP KR US); **C10M 169/04** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2223/043** (2013.01 - EP US); **C10M 2227/061** (2013.01 - EP US); **C10M 2227/062** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP KR US); **C10N 2040/00** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US)

Citation (search report)

See references of WO 2008095805A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2008095805 A2 20080814**; **WO 2008095805 A3 20081023**; CA 2673613 A1 20080814; CN 101600784 A 20091209; EP 2118245 A2 20091118; JP 2010518205 A 20100527; KR 20090109086 A 20091019; US 2008200357 A1 20080821; US 2010173808 A1 20100708

DOCDB simple family (application)

**EP 2008050932 W 20080128**; CA 2673613 A 20080128; CN 200880001448 A 20080128; EP 08708255 A 20080128; JP 2009548648 A 20080128; KR 20097013098 A 20080128; US 1259008 A 20080204; US 72387910 A 20100315