

Title (en)
RUST-PREVENTIVE OIL COMPOSITION

Title (de)
ROSTVERHINDERNDE ÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION HUILEUSE ANTIROUILLE

Publication
EP 1394289 A4 20090603 (EN)

Application
EP 02714499 A 20020405

Priority

- JP 0203442 W 20020405
- JP 2001109173 A 20010406
- JP 2001109183 A 20010406
- JP 2001119758 A 20010418
- JP 2001236385 A 20010803

Abstract (en)
[origin: EP1394289A1] The rust preventive oil composition according to the present invention contains at least one kind of sulfonate of 1 to 10% by mass selected from a group consisting of an alkaline metal sulfonate, an alkaline earth-metal sulfonate (with the exception of barium sulfonate) and an amine sulfonate based on the total weight of the composition in at least one kind of base oil selected from a group consisting of a mineral oil and a synthetic oil, and the contents of barium, zinc, chlorine and lead are each 1000ppm by mass or less based on the total weight by element conversion of the composition, and the content of a compound having a group represented by the following general formula (1): <CHEM> Åwherein R<1> represents an alkyl group having 1 to 24 carbon atoms, R<2> represents an alkylene group having 2 to 4 carbon atoms, m represents an integer of 1 to 5 and n represents an integer of 1 to 6Ü is 1000ppm by mass or less based on the total weight of the composition. <IMAGE>

IPC 8 full level
C23F 11/00 (2006.01); **C10M 135/10** (2006.01); **C10M 141/08** (2006.01); **C10M 169/04** (2006.01); **C10M 177/00** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 20/02** (2006.01); **C10N 30/04** (2006.01); **C10N 30/12** (2006.01); **C10N 50/04** (2006.01); **C10N 60/04** (2006.01); **C10N 60/14** (2006.01)

CPC (source: EP)
C10M 135/10 (2013.01); **C10M 141/08** (2013.01); **C10M 157/06** (2013.01); **C10M 161/00** (2013.01); **C10M 169/04** (2013.01); **C10M 2203/1025** (2013.01); **C10M 2203/1045** (2013.01); **C10M 2203/1065** (2013.01); **C10M 2205/12** (2013.01); **C10M 2205/14** (2013.01); **C10M 2205/16** (2013.01); **C10M 2207/04** (2013.01); **C10M 2207/126** (2013.01); **C10M 2207/128** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/289** (2013.01); **C10M 2207/40** (2013.01); **C10M 2209/103** (2013.01); **C10M 2215/223** (2013.01); **C10M 2219/024** (2013.01); **C10M 2219/044** (2013.01); **C10N 2030/12** (2013.01); **C10N 2030/40** (2020.05); **C10N 2030/41** (2020.05); **C10N 2030/52** (2020.05); **C10N 2060/04** (2013.01)

C-Set (source: EP)

1. **C10M 2207/126 + C10M 2215/02**
2. **C10M 2209/103 + C10M 2209/108**
3. **C10M 2219/044 + C10M 2215/02**
4. **C10M 2219/044 + C10N 2010/02**
5. **C10M 2207/126 + C10N 2010/04**
6. **C10M 2219/044 + C10N 2010/04**

Citation (search report)

- [X] DE 1546075 A1 19700205 - ATTERBY PER ALBIN
- [A] GB 1562183 A 19800305 - EXXON RESEARCH ENGINEERING CO
- [A] US 2677618 A 19540504 - DEIMAN EDGAR A, et al
- [A] EP 0336467 A1 19891011 - KING INDUSTRIES INC [US]
- [A] US 4604227 A 19860805 - ANZENBERGER SR JOSEPH F [US]
- See references of WO 02083986A1

Cited by
CN102242008A; EP2476780A4; EP1995299A4; US2011008634A1; CN104342252A; AU2007253453B2; RU2483099C2; EP4134417A4; US2022332955A1; US10622741B2; US12098346B2; US8586514B2; WO2007135017A1; WO2014117281A1; WO2008084884A1; TWI424052B

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1394289 A1 20040303; EP 1394289 A4 20090603; EP 1394289 B1 20120509; AT E557078 T1 20120515; WO 02083986 A1 20021024

DOCDB simple family (application)
EP 02714499 A 20020405; AT 02714499 T 20020405; JP 0203442 W 20020405