

Title (en)

METHOD FOR SEPARATE LUBRICATION OF A DRIVE SYSTEM FOR A MOTOR VEHICLE

Title (de)

VERFAHREN ZUR GETRENNTEN SCHMIERUNG EINES ANTRIEBSSYSTEMS FÜR EIN KRAFTFAHRZEUG

Title (fr)

MÉTHODE DE LUBRIFICATION SÉPARÉE D'UN SYSTÈME DE MOTORISATION POUR VÉHICULE AUTOMOBILE

Publication

**EP 3374609 A1 20180919 (FR)**

Application

**EP 16794319 A 20161110**

Priority

- FR 1560871 A 20151113
- EP 2016077212 W 20161110

Abstract (en)

[origin: WO2017081123A1] The present application concerns a method for separate lubrication of a drive system for a motor vehicle, said system comprising a compressor and an internal combustion engine comprising a top end and a bottom end that are coupled together, said method comprising: - lubricating the bottom end with a lubricating composition CL1 having an SAE J300 grade defined by the formula (X)W-(Y) in which X represents 0 or 5 and Y represents 4, 8, 12, 16 or 20; - lubricating the top end with a lubricating composition CL2 different from the lubricating composition CL1; and - lubricating the compressor with a lubricating composition CL2 or with a lubricating composition CL3 different from the lubricating compositions CL1 and CL2.

IPC 8 full level

**F01M 9/10** (2006.01); **C10M 101/00** (2006.01); **F01M 9/02** (2006.01); **F02B 39/14** (2006.01); **F16N 39/00** (2006.01)

CPC (source: EP KR US)

**C10M 101/02** (2013.01 - US); **C10M 129/10** (2013.01 - US); **C10M 129/26** (2013.01 - US); **C10M 129/54** (2013.01 - US);  
**C10M 133/04** (2013.01 - US); **C10M 133/44** (2013.01 - US); **C10M 135/10** (2013.01 - US); **C10M 135/18** (2013.01 - US);  
**C10M 137/10** (2013.01 - US); **C10M 143/12** (2013.01 - US); **C10M 145/14** (2013.01 - US); **C10M 171/02** (2013.01 - EP KR US);  
**F01M 9/02** (2013.01 - EP KR US); **F01M 9/10** (2013.01 - EP KR US); **F02B 39/14** (2013.01 - EP KR US); **F16N 39/00** (2013.01 - KR);  
**C10M 2203/1006** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP KR US); **C10M 2205/028** (2013.01 - EP KR US);  
**C10M 2205/04** (2013.01 - EP KR US); **C10M 2205/06** (2013.01 - US); **C10M 2207/023** (2013.01 - US); **C10M 2207/026** (2013.01 - EP KR US);  
**C10M 2207/028** (2013.01 - EP KR US); **C10M 2207/10** (2013.01 - US); **C10M 2207/144** (2013.01 - US); **C10M 2207/262** (2013.01 - EP KR US);  
**C10M 2209/084** (2013.01 - EP US); **C10M 2215/02** (2013.01 - US); **C10M 2215/223** (2013.01 - US); **C10M 2219/044** (2013.01 - US);  
**C10M 2219/046** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2227/061** (2013.01 - EP US);  
**C10N 2020/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/04** (2013.01 - US); **C10N 2030/06** (2013.01 - US);  
**C10N 2030/10** (2013.01 - US); **C10N 2030/54** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **F16N 39/00** (2013.01 - EP US)

C-Set (source: EP US)

**C10M 2203/1025** + **C10N 2020/02**

Citation (search report)

See references of WO 2017081123A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2017081123 A1 20170518**; CN 108350773 A 20180731; EP 3374609 A1 20180919; FR 3043718 A1 20170519; FR 3043718 B1 20190726;  
JP 2019502851 A 20190131; KR 20180081521 A 20180716; US 2018371970 A1 20181227

DOCDB simple family (application)

**EP 2016077212 W 20161110**; CN 201680065322 A 20161110; EP 16794319 A 20161110; FR 1560871 A 20151113;  
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