

Title (en)  
LUBRICATING OIL COMPOSITION

Title (de)  
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)  
COMPOSITION D'HUILE LUBRIFIANTE

Publication  
**EP 3492565 A1 20190605 (EN)**

Application  
**EP 17834572 A 20170728**

Priority  
• JP 2016148523 A 20160728  
• JP 2017027565 W 20170728

Abstract (en)

The purpose of the present invention is to provide a lubricating oil composition that can suppress wear of bearings and the like and scoring of gear teeth surfaces and the like even at low viscosity. Provided is a lubricating oil composition that includes a lubricating oil base oil, a sulfur-based extreme pressure agent, and a phosphorus-based extreme pressure agent, wherein the lubricating oil composition is characterized in that: the quantity of active sulfur in the sulfur-based extreme pressure agent is 5-30% by mass; the sulfur-based extreme pressure agent is included in the composition at a quantity of 5-15% by mass relative to the mass of the entire lubricating oil composition; and the phosphorus-based extreme pressure agent is included in the composition at a quantity of 1.5-8% by mass relative to the mass of the entire lubricating oil composition.

IPC 8 full level

**C10M 141/10** (2006.01); **C10M 105/04** (2006.01); **C10M 107/02** (2006.01); **C10M 135/04** (2006.01); **C10M 137/04** (2006.01);  
**C10M 137/08** (2006.01); **C10M 137/10** (2006.01); **C10M 169/04** (2006.01); **C10N 20/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/06** (2006.01);  
**C10N 40/04** (2006.01)

CPC (source: EP US)

**C10M 107/02** (2013.01 - US); **C10M 135/04** (2013.01 - US); **C10M 137/08** (2013.01 - US); **C10M 137/105** (2013.01 - US);  
**C10M 141/10** (2013.01 - EP US); **C10M 169/04** (2013.01 - US); **C10M 105/04** (2013.01 - US); **C10M 137/04** (2013.01 - US);  
**C10M 137/10** (2013.01 - US); **C10M 2205/0206** (2013.01 - US); **C10M 2205/0285** (2013.01 - EP); **C10M 2205/173** (2013.01 - EP);  
**C10M 2219/022** (2013.01 - EP US); **C10M 2219/024** (2013.01 - EP); **C10M 2219/082** (2013.01 - EP); **C10M 2223/04** (2013.01 - EP);  
**C10M 2223/043** (2013.01 - EP US); **C10M 2223/047** (2013.01 - EP US); **C10M 2223/049** (2013.01 - EP); **C10N 2020/02** (2013.01 - EP);  
**C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP); **C10N 2040/04** (2013.01 - EP US)

Cited by

EP3409751B1; WO2017131121A1

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)

**EP 3492565 A1 20190605**; **EP 3492565 A4 20200325**; JP 2018016729 A 20180201; JP 6730122 B2 20200729; SG 11201900556S A 20190227;  
US 2019177647 A1 20190613; WO 2018021570 A1 20180201

DOCDB simple family (application)

**EP 17834572 A 20170728**; JP 2016148523 A 20160728; JP 2017027565 W 20170728; SG 11201900556S A 20170728;  
US 201716321209 A 20170728