

Title (en)
LUBRICANT COMPOSITION

Title (de)
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION LUBRIFIANTE

Publication
EP 3746529 B1 20230712 (EN)

Application
EP 19702383 A 20190128

Priority
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Abstract (en)
[origin: WO2019149645A1] A lubricant composition is prepared having a base oil composition and an additive composition comprising a molybdenum dialkyldithiocarbamate and an organic friction modifier such as an oil-soluble mono-, di- or tri-glyceride of at least one hydroxyl polycarboxylic acid, or a derivative thereof may, especially when used in combination with a base oil composition of a functionally modified poly-alpha-olefin (e.g. alpha-olefin and ester copolymer), a poly-alpha-olefin and optionally an additive carrier such as an alkylated naphthalene. The lubricant composition of the present invention finds particular application as a lubricant composition for robotics and robotic gearboxes, industrial gears and wind turbine gears and especially for gearboxes having a rolling element (such as a spherical bearing or a cylindrical bearing). It provides enhanced longevity, good elastomer compatibility and good anti-wear properties. Embodiments of the invention also demonstrate excellent protection against leaks and sludge.

IPC 8 full level
C10M 141/08 (2006.01); **C10M 111/04** (2006.01); **C10N 10/04** (2006.01); **C10N 10/12** (2006.01); **C10N 30/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP US)
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C-Set (source: EP)
1. **C10M 2205/0285 + C10M 2209/043**
2. **C10M 2205/0285 + C10M 2209/0863**
3. **C10M 2219/068 + C10N 2010/12**
4. **C10M 2223/045 + C10N 2010/12**

Citation (examination)
• STLE: "15th Annual CMF Plus", 1 November 2017 (2017-11-01), XP055574777, Retrieved from the Internet <URL:http://cdn.coverstand.com/5716/445548/1ab26f1a86c3fbdd2cf1c852453d7892c8804c5d.3.pdf> [retrieved on 20190327]
• "Chemistry, Process Design, and Safety for the Nitration Industry /ACS /Symposium Series", vol. 1192, 1 January 2015, AMERICAN CHEMICAL SOCIETY/OXFORD UNIVERSITY PRESS, US, ISSN: 0097-6156, article KATHLEEN O'LEARY HAVELKA ET AL: "From Biorefinery to Performance Technology: Transforming Renewable Olefinic Building Blocks into Lubricants and Other High-Value Products", pages: 201 - 222, XP055574787, DOI: 10.1021/bk-2015-1192.ch013

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