

Title (en)  
LUBRICANT COMPOSITION AND USE THEREOF

Title (de)  
SCHMIERSTOFFZUSAMMENSETZUNG UND DEREN VERWENDUNG

Title (fr)  
COMPOSITION LUBRIFIANTE ET SON UTILISATION

Publication  
**EP 4143281 A1 20230308 (DE)**

Application  
**EP 21721887 A 20210421**

Priority  
• DE 102020111403 A 20200427  
• EP 2021060353 W 20210421

Abstract (en)  
[origin: WO2021219456A1] The present invention relates to a biodegradable lubricant composition and its use as transmission oil, rolling bearing oil, hydraulic oil or sliding bearing oil in the marine field and in the field of fresh waters, as well as in on-shore machines and machine elements that may come in contact with water and/or aqueous media.

IPC 8 full level  
**C10M 169/04** (2006.01); **C10N 20/00** (2006.01); **C10N 30/00** (2006.01); **C10N 40/04** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP KR US)  
**C10M 105/38** (2013.01 - US); **C10M 107/34** (2013.01 - US); **C10M 111/04** (2013.01 - US); **C10M 129/76** (2013.01 - US);  
**C10M 133/12** (2013.01 - US); **C10M 133/44** (2013.01 - US); **C10M 135/10** (2013.01 - US); **C10M 135/18** (2013.01 - US);  
**C10M 137/04** (2013.01 - US); **C10M 141/10** (2013.01 - US); **C10M 169/04** (2013.01 - EP KR US); **C10M 2207/026** (2013.01 - EP KR);  
**C10M 2207/124** (2013.01 - EP KR); **C10M 2207/127** (2013.01 - EP KR); **C10M 2207/2835** (2013.01 - EP KR US);  
**C10M 2207/284** (2013.01 - US); **C10M 2207/287** (2013.01 - EP KR); **C10M 2207/301** (2013.01 - EP KR); **C10M 2207/3025** (2013.01 - EP KR);  
**C10M 2209/086** (2013.01 - EP KR); **C10M 2209/105** (2013.01 - EP KR); **C10M 2209/107** (2013.01 - EP KR); **C10M 2209/1075** (2013.01 - US);  
**C10M 2215/064** (2013.01 - EP KR); **C10M 2215/10** (2013.01 - EP KR); **C10M 2215/223** (2013.01 - EP KR); **C10M 2215/26** (2013.01 - US);  
**C10M 2215/30** (2013.01 - US); **C10M 2219/044** (2013.01 - EP KR US); **C10M 2219/066** (2013.01 - EP KR US); **C10M 2223/04** (2013.01 - US);  
**C10M 2223/043** (2013.01 - EP KR); **C10M 2229/02** (2013.01 - EP KR); **C10N 2020/04** (2013.01 - US); **C10N 2020/081** (2020.05 - EP KR);  
**C10N 2030/10** (2013.01 - US); **C10N 2030/12** (2013.01 - US); **C10N 2030/36** (2020.05 - EP KR); **C10N 2030/64** (2020.05 - EP KR);  
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**C10N 2040/32** (2013.01 - US); **C10N 2040/38** (2020.05 - US)

C-Set (source: EP)  
1. **C10M 2209/107 + C10M 2209/108**  
2. **C10M 2219/044 + C10N 2010/04**  
3. **C10M 2209/105 + C10M 2209/106**  
4. **C10M 2209/086 + C10M 2205/02**  
5. **C10M 2209/105 + C10M 2209/108**

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 102020111403 A1 20211028**; CN 115443325 A 20221206; EP 4143281 A1 20230308; JP 2023512001 A 20230323;  
JP 7422886 B2 20240126; KR 20220112271 A 20220810; US 2023174885 A1 20230608; WO 2021219456 A1 20211104

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**DE 102020111403 A 20200427**; CN 202180031048 A 20210421; EP 2021060353 W 20210421; EP 21721887 A 20210421;  
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