

Title (en)  
GREASE COMPOSITION FOR CONSTANT-VELOCITY JOINT

Title (de)  
SCHMIERFETTZUSAMMENSETZUNG FÜR GLEICHLAUFGELENK

Title (fr)  
COMPOSITION DE GRAISSE POUR JOINT HOMOCINÉTIQUE

Publication  
**EP 4253507 A4 20240417 (EN)**

Application  
**EP 20963504 A 20201126**

Priority  
JP 2020044030 W 20201126

Abstract (en)  
[origin: EP4253507A1] The present invention provides a grease composition for constant-velocity joints comprising (a) a base oil, (b) a diurea thickener, (c) molybdenum dithiocarbamate, (d) molybdenum dithiophosphate, (e) overbased calcium sulfonate, and (f) neutral zinc sulfonate. The composition of the present invention is excellent in durability at high temperature and vibration suppression.

IPC 8 full level  
**C10M 163/00** (2006.01); **C10N 20/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP KR US)  
**C10M 115/08** (2013.01 - US); **C10M 135/10** (2013.01 - US); **C10M 135/18** (2013.01 - US); **C10M 137/10** (2013.01 - US); **C10M 141/02** (2013.01 - KR); **C10M 141/08** (2013.01 - KR); **C10M 141/10** (2013.01 - KR US); **C10M 141/12** (2013.01 - KR); **C10M 163/00** (2013.01 - EP); **C10M 169/00** (2013.01 - US); **C10M 169/06** (2013.01 - KR); **C10M 2203/003** (2013.01 - US); **C10M 2203/1006** (2013.01 - EP); **C10M 2205/0285** (2013.01 - EP); **C10M 2207/1285** (2013.01 - EP); **C10M 2215/1026** (2013.01 - EP KR US); **C10M 2219/044** (2013.01 - EP KR US); **C10M 2219/046** (2013.01 - EP KR US); **C10M 2219/068** (2013.01 - EP KR US); **C10M 2223/045** (2013.01 - EP KR US); **C10N 2020/02** (2013.01 - EP); **C10N 2030/00** (2013.01 - EP KR); **C10N 2030/06** (2013.01 - EP); **C10N 2030/52** (2020.05 - EP); **C10N 2030/76** (2020.05 - EP US); **C10N 2040/02** (2013.01 - EP KR); **C10N 2040/04** (2013.01 - EP); **C10N 2050/10** (2013.01 - EP KR US)

C-Set (source: EP)  
1. **C10M 2203/1025 + C10N 2020/02**  
2. **C10M 2219/068 + C10N 2010/12**  
3. **C10M 2223/045 + C10N 2010/12**  
4. **C10M 2219/046 + C10N 2010/04**  
5. **C10M 2219/044 + C10N 2010/04**  
6. **C10M 2207/1285 + C10N 2010/02**

Citation (search report)  
• [ID] JP 2010065194 A 20100325 - KYODO YUSHI, et al  
• [A] EP 3299443 A1 20180328 - TURBULENCE LTD [JP]  
• [A] JP 2013091799 A 20130516 - KYODO YUSHI  
• See also references of WO 2022113239A1

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

DOCDB simple family (publication)  
**EP 4253507 A1 20231004; EP 4253507 A4 20240417**; CN 116601273 A 20230815; JP WO2022113239 A1 20220602; KR 20230110495 A 20230724; US 2023416633 A1 20231228; WO 2022113239 A1 20220602

DOCDB simple family (application)  
**EP 20963504 A 20201126**; CN 202080107504 A 20201126; JP 2020044030 W 20201126; JP 2022564910 A 20201126; KR 20237013863 A 20201126; US 202018252723 A 20201126