

Title (en)  
GREASE COMPOSITION

Title (de)  
SCHMIERFETTZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE GRAISSE

Publication  
**EP 3677661 A4 20210505 (EN)**

Application  
**EP 18850947 A 20180822**

Priority  
• JP 2017167588 A 20170831  
• JP 2018030988 W 20180822

Abstract (en)  
[origin: EP3677661A1] A grease composition containing a base oil (A), a urea-based thickener (B), an antioxidant (C), and a rust inhibitor (D), wherein in a particle size distribution curve obtained by measuring the particle size of particles containing the urea-based thickener (B) in the grease composition on a volume basis with light scattering, a peak indicating the maximum frequency satisfies the following Requirements (I) and (II):(I) a particle size indicating the maximum frequency of the peak is 1.0  $\mu\text{m}$  or less; and(II) a half width of the peak is 1.0  $\mu\text{m}$  or less.

IPC 8 full level  
**C10M 169/06** (2006.01); **C10M 171/06** (2006.01); **C10N 20/02** (2006.01); **C10N 20/06** (2006.01); **C10N 30/06** (2006.01); **C10N 30/10** (2006.01); **C10N 30/12** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01); **C10N 50/10** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP US)  
**C10M 115/08** (2013.01 - US); **C10M 129/76** (2013.01 - US); **C10M 169/06** (2013.01 - EP); **C10M 171/06** (2013.01 - EP); **C10M 2205/0285** (2013.01 - EP); **C10M 2207/026** (2013.01 - EP); **C10M 2207/287** (2013.01 - EP); **C10M 2207/289** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP); **C10M 2215/1026** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/06** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/12** (2013.01 - US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/046** (2020.05 - EP); **C10N 2050/10** (2013.01 - EP US); **C10N 2070/00** (2013.01 - EP)

Citation (search report)  
• [IP] EP 3255130 A1 20171213 - IDEMITSU KOSAN CO [JP] & WO 2016125859 A1 20160811 - IDEMITSU KOSAN CO [JP]  
• [A] EP 2749631 A1 20140702 - NSK LTD [JP]  
• See references of WO 2019044624A1

Cited by  
WO2022241683A1

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 3677661 A1 20200708**; **EP 3677661 A4 20210505**; CN 110892047 A 20200317; JP WO2019044624 A1 20200813; US 2021095219 A1 20210401; WO 2019044624 A1 20190307

DOCDB simple family (application)  
**EP 18850947 A 20180822**; CN 201880050542 A 20180822; JP 2018030988 W 20180822; JP 2019539410 A 20180822; US 201816627861 A 20180822