

Title (en)

HYDRAULIC OIL COMPOSITIONS WITH IMPROVED HYDROLYTIC AND THERMO-OXIDATIVE STABILITY

Title (de)

HYDRAULIKÖLZUSAMMENSETZUNGEN MIT VERBESSERTER HYDROLYSE- UND THERMOOXIDATIVER STABILITÄT

Title (fr)

COMPOSITIONS D'HUILE HYDRAULIQUE PRÉSENTANT UNE STABILITÉ HYDROLYTIQUE ET THERMO-OXYDATIVE AMÉLIORÉE

Publication

EP 3684895 A1 20200729 (EN)

Application

EP 18779505 A 20180907

Priority

- US 201762559756 P 20170918
- US 2018049835 W 20180907

Abstract (en)

[origin: US2019085256A1] The present disclosure provides a lubricating composition that includes at least one lubricating base oil, an effective amount of at least one overbased detergent; and an effective amount of at least one thermally stable zinc dialkyl dithiophosphate. The disclosure further provides methods of making and using the same.

IPC 8 full level

C10M 137/10 (2006.01); **C10M 159/20** (2006.01); **C10M 163/00** (2006.01)

CPC (source: EP US)

C10M 137/10 (2013.01 - EP US); **C10M 159/20** (2013.01 - EP US); **C10M 163/00** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2219/089** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/10** (2013.01 - US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/66** (2020.05 - EP US); **C10N 2040/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2019055291A1

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)

US 2019085256 A1 20190321; EP 3684895 A1 20200729; SG 11202001486T A 20200429; WO 2019055291 A1 20190321

DOCDB simple family (application)

US 201816123161 A 20180906; EP 18779505 A 20180907; SG 11202001486T A 20180907; US 2018049835 W 20180907