

Title (en)

WATER-GLYCOL HYDRAULIC FLUID COMPOSITION AND SUPPLEMENTARY ADDITIVE THEREFOR

Title (de)

HYDRAULISCHE WASSER-GLYKOL-FLÜSSIGKEITSZUSAMMENSETZUNG UND ZUSATZZUSATZ DAFÜR

Title (fr)

COMPOSITION DE FLUIDE HYDRAULIQUE À BASE D'EAU ET DE GLYCOL ET ADDITIF SUPPLÉMENTAIRE POUR CELLE-CI

Publication

**EP 4127118 B1 20231206 (EN)**

Application

**EP 21716197 A 20210401**

Priority

- JP 2020067578 A 20200403
- EP 2021058734 W 20210401

Abstract (en)

[origin: WO2021198478A1] The present invention provides a water-glycol hydraulic fluid composition comprising an alkanolamine compound according to the general formula (1), wherein the water-glycol hydraulic fluid composition comprises 20-60% by mass water, 20-60% by mass glycol, 0.6-1.2% by mass fatty acid lubricant, and 0.01-0.06% by mass alkaline hydroxide compound selected from potassium hydroxide and/or sodium hydroxide, and has an alkali reserve of 10-25, wherein R1 and R2 are hydrocarbon groups having from 1 to 8 carbon atoms, and R3 is a hydrocarbon group having 2 or more carbon atoms.

IPC 8 full level

**C10M 173/02** (2006.01); **C10N 30/12** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP US)

**C10M 105/14** (2013.01 - US); **C10M 105/24** (2013.01 - US); **C10M 125/10** (2013.01 - US); **C10M 133/08** (2013.01 - US);  
**C10M 141/06** (2013.01 - US); **C10M 173/00** (2013.01 - US); **C10M 173/02** (2013.01 - EP); **C10M 2201/02** (2013.01 - US);  
**C10M 2201/062** (2013.01 - EP US); **C10M 2207/0225** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP); **C10M 2207/126** (2013.01 - US);  
**C10M 2215/042** (2013.01 - EP); **C10M 2215/26** (2013.01 - US); **C10N 2030/12** (2013.01 - EP); **C10N 2040/08** (2013.01 - EP US)

C-Set (source: EP)

**C10M 2201/062 + C10N 2010/02**

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)

**WO 2021198478 A1 20211007**; BR 112022019775 A2 20221116; CN 115397959 A 20221125; EP 4127118 A1 20230208;  
EP 4127118 B1 20231206; JP 2021161356 A 20211011; US 2023144254 A1 20230511

DOCDB simple family (application)

**EP 2021058734 W 20210401**; BR 112022019775 A 20210401; CN 202180026604 A 20210401; EP 21716197 A 20210401;  
JP 2020067578 A 20200403; US 202117910871 A 20210401