

Title (en)

WATER-SOLUBLE METALWORKING FLUID, AND METALWORKING COOLANT

Title (de)

WASSERLÖSLICHE METALLBEARBEITUNGSFLÜSSIGKEIT UND METALLBEARBEITUNGSKÜHLMITTEL

Title (fr)

FLUIDE HYDROSOLUBLE POUR LE TRAVAIL DES MÉTAUX ET FLUIDE DE REFROIDISSEMENT POUR LE TRAVAIL DES MÉTAUX

Publication

EP 3124583 A1 20170201 (EN)

Application

EP 15768985 A 20150323

Priority

- JP 2014070521 A 20140328
- JP 2015058733 W 20150323

Abstract (en)

A water-soluble metalworking fluid of the invention contains: a component (A) that is a dicarboxylic acid including a sulfide structure; a component (B) that is a polyalkylene glycol; a component (C) that is polyhydric alcohol polyalkylene oxide adducts; and a component (D) that is a monocarboxylic acid.

IPC 8 full level

C10M 173/02 (2006.01); **C10M 129/08** (2006.01); **C10M 129/16** (2006.01); **C10M 129/32** (2006.01); **C10M 129/40** (2006.01); **C10M 135/26** (2006.01); **C10M 145/26** (2006.01); **C10N 30/06** (2006.01); **C10N 40/20** (2006.01); **C10N 40/22** (2006.01)

CPC (source: EP KR US)

C10M 129/16 (2013.01 - US); **C10M 129/40** (2013.01 - US); **C10M 135/26** (2013.01 - US); **C10M 145/34** (2013.01 - US); **C10M 173/02** (2013.01 - EP KR US); **C10M 2207/022** (2013.01 - EP KR US); **C10M 2207/12** (2013.01 - EP KR US); **C10M 2207/125** (2013.01 - EP KR US); **C10M 2207/126** (2013.01 - US); **C10M 2209/103** (2013.01 - EP KR US); **C10M 2209/104** (2013.01 - EP KR US); **C10M 2209/107** (2013.01 - US); **C10M 2215/223** (2013.01 - EP KR US); **C10M 2219/085** (2013.01 - EP KR US); **C10M 2219/104** (2013.01 - EP KR US); **C10M 2229/02** (2013.01 - EP KR US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/70** (2020.05 - US); **C10N 2040/20** (2013.01 - EP US)

Cited by

FR3124800A1; US11299691B2; EP3412756A1; EP3412757A1; CN108998175A; FR3124801A1; EP3957708A1; WO2022038111A1; WO2023275300A1; WO2023275308A1

Designated contracting state (EPC)

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BA ME

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