

Title (en)

MICELLAR EMULSIONS USEFUL FOR METALWORKING APPLICATIONS

Title (de)

FÜR METALLBEARBEITUNGSANWENDUNGEN NÜTZLICHE, MIZELLARE EMULSIONEN

Title (fr)

ÉMULSIONS MICELLAIRES UTILES POUR DES APPLICATIONS DE TRAVAIL DES MÉTAUX

Publication

EP 3508561 A1 20190710 (EN)

Application

EP 18150506 A 20180105

Priority

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Abstract (en)

This disclosure relates generally to emulsions, particularly micelle-containing emulsions useful as metalworking fluids and concentrates and treatments therefor. More particularly, the disclosure relates to emulsions comprising water, one or more surfactants, one or more sulfurized additives, and, optionally, one or more oleaginous materials; methods for preparing such emulsions; and methods of using such emulsions.

IPC 8 full level

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Citation (applicant)

- US 2013201785 A1 20130808 - DAHMS GERD [DE], et al
- JAMES-SMITH ET AL., JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol. 310, 2007, pages 590 - 598

Citation (search report)

- [XI] GB 1599715 A 19811007 - STANDARD OIL CO
- [X] WO 2010129951 A1 20101111 - QUAKER CHEM CORP [US], et al
- [X] EP 1063280 A1 20001227 - QUAKER CHEM CORP [US]
- [X] US 5391310 A 19950221 - KRUEGER MARK K [US], et al
- [I] EP 2161327 A1 20100310 - COGNIS IP MAN GMBH [DE]
- [I] US 6245723 B1 20010612 - SIGG KARL [DE], et al

Designated contracting state (EPC)

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