

Title (en)

SILICON-CONTAINING ORGANIC ACID DERIVATIVES AS ENVIRONMENTALLY FRIENDLY AFFF EXTINGUISHING AGENTS

Title (de)

SILIZIUMHALTIGE ORGANISCHE SÄUREDERIVATE ALS UMWELTFREUNDLICHE AFFF-LÖSCHMITTEL

Title (fr)

DÉRIVÉS D'ACIDE ORGANIQUE CONTENANT DU SILICIUM COMME AGENTS D'EXTINCTION AFFF RESPECTUEUX DE L'ENVIRONNEMENT

Publication

EP 3188806 B1 20191225 (DE)

Application

EP 15766072 A 20150902

Priority

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- EP 2015070046 W 20150902

Abstract (en)

[origin: CA2959963A1] The invention relates to a fire fighting foam concentrate comprising a first surfactant, the first surfactant having an acid group as well as an oligosilane unit and/or oligosiloxane unit. The invention further relates to a method for extinguishing fires, comprising the steps of: providing a fire fighting foam concentrate; adding the fire fighting foam concentrate to water to obtain a mixture and bringing the fire into contact with the mixture; wherein the fire fighting foam concentrate is a fire fighting foam concentrate according to the invention. A further object of the invention is the use of a surfactant as an additive to fire fighting foams and/or fire fighting foam concentrates, the surfactant comprising an acid group as well as an oligosilane unit and/or oligosiloxane unit. An example is the following: (formula)

IPC 8 full level

A62C 99/00 (2010.01); **A62D 1/02** (2006.01)

CPC (source: EP RU US)

A62C 99/0036 (2013.01 - RU US); **A62D 1/0007** (2013.01 - RU); **A62D 1/0071** (2013.01 - EP US)

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US 2007135329 A1 20070614 - WANG DONG [CN], et al

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DOCDB simple family (publication)

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