

Title (en)

FLUORINE CONTAINING ALKYL SULFOBETAINES, PROCESS FOR THEIR PRODUCTION AND THEIR USE

Publication

EP 0057925 B1 19840815 (DE)

Application

EP 82100856 A 19820206

Priority

DE 3104766 A 19810211

Abstract (en)

[origin: ES8304929A1] Fluorine-containing alkylsulfobetaines of the general formula < IMAGE > wherein R_f denotes a perfluoroalkyl radical having 3 to 16 C atoms, R₁ and R₂, which can be identical or different, denote alkyl radicals or hydroxyalkyl radicals having 1 to 4 C atoms, a is zero or 1, b assumes the value 1 when a is equal to 1 and the values 1 to 4 when a is equal to 0, and c is 3 or 4, are described. These are prepared by reacting the corresponding fluorine-containing amines with propanesultone or butanesultone in organic solvents. The compounds are distinguished in particular by high interfacial activity at the interface of water with non-miscible organic liquids and by compatibility with other surfactants. They are suitable for use as aftertreatment agents (auxiliary dispersing agents) in dispersions of fluoropolymers and as components in fire-extinguishing agents.

IPC 1-7

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IPC 8 full level

A62D 1/00 (2006.01); **A62D 1/02** (2006.01); **C07C 67/00** (2006.01); **C07C 301/00** (2006.01); **C07C 303/02** (2006.01); **C07C 303/32** (2006.01); **C07C 309/14** (2006.01)

CPC (source: EP US)

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