

Title (en)

USE OF MONOCARBOXYLIC ACID POLYOXYALKYLESTER SULPHONATES AS LOW-FOAM TEXTILE CONDITIONING AGENTS

Publication

**EP 0453447 B1 19930303 (DE)**

Application

**EP 90900177 A 19900104**

Priority

DE 3900699 A 19890112

Abstract (en)

[origin: WO9008181A1] Use of alcali, ammonium and/or amine salts of monocarboxylic acid polyoxyalkylester sulphonic acids as low-foam surface-active agents in aqueous alkaline conditioners for textile non-wovens or threads.

IPC 1-7

**C11D 1/28**; **D06L 3/02**; **D06M 13/256**

IPC 8 full level

**C11D 7/54** (2006.01); **C09K 23/08** (2022.01); **C11D 1/28** (2006.01); **C11D 3/00** (2006.01); **D06L 3/02** (2006.01); **D06L 4/12** (2017.01); **D06M 11/38** (2006.01); **D06M 13/02** (2006.01); **D06M 13/224** (2006.01); **D06M 13/244** (2006.01); **D06M 13/248** (2006.01); **D06M 13/256** (2006.01); **D06M 101/00** (2006.01); **D06M 101/02** (2006.01); **D06M 101/06** (2006.01); **D06M 101/08** (2006.01)

CPC (source: EP US)

**C11D 1/28** (2013.01 - EP US); **C11D 3/0026** (2013.01 - EP US); **D06L 4/12** (2016.12 - EP US); **D06M 11/38** (2013.01 - EP US)

Citation (examination)

Chemical Abstracts, Vol. 92, Nr. 18, 5 May 1980 Columbus, Ohio, USA:Skripchemko, E.S. & al.: "Antifrothing agent" page 124; ref. No. 148922

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

**WO 9008181 A1 19900726**; BR 9007019 A 19911112; DE 3900699 A1 19900719; DE 59000985 D1 19930408; EP 0453447 A1 19911030; EP 0453447 B1 19930303; ES 2054330 T3 19940801; JP H04502651 A 19920514; US 5250076 A 19931005

DOCDB simple family (application)

**EP 9000012 W 19900104**; BR 9007019 A 19901004; DE 3900699 A 19890112; DE 59000985 T 19900104; EP 90900177 A 19900104; ES 90900177 T 19900104; JP 50104190 A 19900104; US 72158591 A 19910711