

Title (en)

FLUORINE-MODIFIED COMB POLYMERS BASED ON ACRYLOYLDIMETHYLTAURINE ACID

Title (de)

FLUORMODIFIZIERTE KAMMPOLYMERE AUF BASIS VON ACRYLOYLDIMETHYLTAURINSÄURE (2-ACRYLAMIDO-2-METHYL-1-PROPANSULFONSÄURE)

Title (fr)

POLYMERES EN PEIGNE A MODIFICATION FLUORIQUE A BASE D'ACIDE ACRYLOYLDIMETHYLTAURINIQUE

Publication

**EP 1373343 A2 20040102 (DE)**

Application

**EP 01984774 A 20011128**

Priority

- DE 10059833 A 20001201
- EP 0113864 W 20011128

Abstract (en)

[origin: WO0244227A2] The invention relates to water-soluble or water-swellaable copolymers which can be obtained by radical copolymerisation of A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, B) optionally, one or more additional olefinically unsaturated, optionally cross-linking, comonomers which have at least one oxygen, nitrogen, sulphur or phosphorus atom and which have a molecular weight of less than 500 g/mol and C) one or more at least monofunctional component which is capable of radical polymerisation and which contains fluorine, D) the copolymerisation optionally taking place in the presence of at least one polymeric additive with number average molecular weights of 200 g/mol to 10<9> g/mol.

IPC 1-7

**C08F 220/58**; **C08F 291/00**; **C08F 290/00**; **C08F 265/00**; **C08L 51/00**; **C08F 265/10**

IPC 8 full level

**A61K 8/81** (2006.01); **A61K 8/86** (2006.01); **A61Q 19/00** (2006.01); **C08F 2/06** (2006.01); **C08F 2/44** (2006.01); **C08F 220/38** (2006.01); **C08F 220/58** (2006.01); **C08F 265/00** (2006.01); **C08F 265/04** (2006.01); **C08F 265/10** (2006.01); **C08F 290/06** (2006.01); **C08F 291/00** (2006.01); **C08L 51/00** (2006.01)

CPC (source: EP US)

**A61K 8/8158** (2013.01 - EP US); **A61K 8/8182** (2013.01 - EP US); **A61K 8/86** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **C08F 220/585** (2020.02 - EP US); **C08F 265/00** (2013.01 - EP US); **C08F 265/04** (2013.01 - EP US); **C08F 265/10** (2013.01 - EP US); **C08F 290/06** (2013.01 - EP US); **C08F 291/00** (2013.01 - EP US); **C08L 51/003** (2013.01 - EP US); **A61K 2800/54** (2013.01 - EP US)

Citation (search report)

See references of WO 0244227A2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 0244227 A2 20020606**; **WO 0244227 A3 20030130**; BR 0115763 A 20030916; DE 10059833 A1 20020613; EP 1373343 A2 20040102; JP 2002201233 A 20020719; US 2004116634 A1 20040617; US 6833419 B2 20041221

DOCDB simple family (application)

**EP 0113864 W 20011128**; BR 0115763 A 20011128; DE 10059833 A 20001201; EP 01984774 A 20011128; JP 2001295998 A 20010927; US 43312003 A 20031124