

Title (en)
USE OF COPOLYMERS ON THE BASIS OF UNSATURATED ACIDS OR THEIR DERIVATIVES AS FOAM-PROTECTING AGENT

Title (de)
VERWENDUNG VON COPOLYMEREN AUF BASIS VON UNGESÄTTIGTEN CARBONSÄUREN ODER DEREN DERIVATEN ALS
SCHAUMSCHUTZMITTEL

Title (fr)
UTILISATION DE COPOLYMERES A BASE D'ACIDES INSATURES OU LEURS DERIVES COMME AGENTS PROTECTEURS DE MOUSSE

Publication
EP 1049761 A1 20001108 (FR)

Application
EP 99900950 A 19990119

Priority
• FR 9900091 W 19990119
• FR 9800693 A 19980119

Abstract (en)
[origin: WO9936496A1] The invention relates to the use of a copolymer or a mixture of copolymers as foam-protecting agents in detergent or cosmetic formulations, comprising at least one monomer (I) selected from the acids, diacids or unsaturated C3-C5 anhydrides; or at least one monomer (II) selected from ethylene oxide and propylene oxide; or at least one monomer (III) selected from the linear or branched C4-C8 hydrocarbons, comprising at least one ethenoid unsaturation; or at least one monomer (IV) of formula R<1>-COO-R<2>, where R<1> is a possibly substituted linear or branched C1-C3 hydrocarbonic radical; R<2> is a linear or branched C1-C4 hydrocarbonic radical which is possibly substituted by an anionic radical or a hydroxyl group; and the monomer (IV) further comprises at least one ethenoid unsaturation.

IPC 1-7
C11D 3/37; **A61K 7/06**; **A61K 7/48**

IPC 8 full level
A61K 8/00 (2006.01); **A61K 8/04** (2006.01); **A61K 8/37** (2006.01); **A61K 8/81** (2006.01); **A61K 8/86** (2006.01); **A61K 8/90** (2006.01); **A61Q 5/02** (2006.01); **A61Q 19/00** (2006.01); **A61Q 19/10** (2006.01); **C08F 20/06** (2006.01); **C11D 3/37** (2006.01); **H04N 5/225** (2006.01); **H04N 5/335** (2011.01)

CPC (source: EP US)
A61K 8/046 (2013.01 - EP US); **A61K 8/8152** (2013.01 - EP US); **A61K 8/90** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **C11D 3/0094** (2013.01 - EP US); **C11D 3/3757** (2013.01 - EP US); **C11D 3/3788** (2013.01 - EP US); **H04N 25/00** (2023.01 - EP US)

Citation (search report)
See references of WO 9936496A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9936496 A1 19990722; BR 9907038 A 20001017; EP 1049761 A1 20001108; FR 2774694 A1 19990813; FR 2774694 B1 20030808; JP 2002509183 A 20020326; JP 3486172 B2 20040113; US 6706679 B1 20040316

DOCDB simple family (application)
FR 9900091 W 19990119; BR 9907038 A 19990119; EP 99900950 A 19990119; FR 9800693 A 19980119; JP 2000540201 A 19990119; US 60038900 A 20000714