

Title (en)
FABRIC SOFTENER

Publication
EP 0023334 B1 19831221 (DE)

Application
EP 80104269 A 19800719

Priority
DE 2930061 A 19790725

Abstract (en)
[origin: EP0023334A1] 1. Fabric softeners in the form of an aqueous solution or dispersion, which contain from 1 to 15% by weight of one or several compounds of formulae I to III see diagramm : EP0023334,P5,F1 see diagramm : EP0023334,P5,F2 see diagramm : EP0023334,P5,F3 in which R1 is alkyl or alkenyl of from 10 to 30 carbon atoms, preferably from 8 to 14 carbon atoms, R2 is alkyl of from 1 to 4 carbon atoms, preferably methyl, R3 is methyl or hydrogen, m is a number of from 1 to 15, preferably 1, and A is an anion, such as Cl (cation) , Br (cation) , R2 OSO3 (cation) or R2 OPO3 (cation) , and from 0.01 to 4, preferably from 0.5 to 2.5%, by weight of a fatty acid ethanolamine polyglycol ether of formula IV see diagramm : EP0023334,P5,F4 in which R4 is C4 -C20 -alkyl, preferably C8 -C16 -alkyl, n is a number of from 2 to 20, preferably from 2 to 6, x and y represent hydrogen or methyl, but are not methyl at the same time and additionally water and auxiliaries and substances usual in fabric softeners in an amount to complete 100% with the proviso that these auxiliaries and substances do not constitute surfactants.

IPC 1-7
D06M 13/46; **D06M 13/40**; **C11D 1/645**

IPC 8 full level
D06M 13/46 (2006.01); **C11D 1/52** (2006.01); **C11D 1/645** (2006.01); **C11D 3/00** (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/402** (2006.01); **D06M 13/463** (2006.01); **D06M 13/473** (2006.01)

CPC (source: EP)
C11D 1/526 (2013.01); **C11D 1/645** (2013.01); **C11D 3/0015** (2013.01); **D06M 13/402** (2013.01); **D06M 13/463** (2013.01); **D06M 13/473** (2013.01); **D06M 2101/06** (2013.01); **D06M 2101/08** (2013.01); **D06M 2101/12** (2013.01); **D06M 2101/18** (2013.01); **D06M 2101/28** (2013.01); **D06M 2101/32** (2013.01); **D06M 2101/34** (2013.01); **D06M 2200/50** (2013.01)

Cited by
EP0079643A3; US4627925A; US4622154A; US5908854A; EP0159922A3; EP0848103A3; EP0861938A3; EP0186967A1; EP0082457A3; EP0112719A3; US4497716A; EP0082456A3; EP0707059A3; EP1445303A3; US6635607B2; WO02092740A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0023334 A1 19810204; **EP 0023334 B1 19831221**; AT E5662 T1 19840115; BR 8004626 A 19810203; CA 1153510 A 19830913; DE 2930061 A1 19810219; DE 3065943 D1 19840126; JP S5620677 A 19810226; JP S6338470 B2 19880729

DOCDB simple family (application)
EP 80104269 A 19800719; AT 80104269 T 19800719; BR 8004626 A 19800724; CA 356977 A 19800724; DE 2930061 A 19790725; DE 3065943 T 19800719; JP 10064180 A 19800724