

Title (en)  
LIQUID WASHING AGENT WITH A CONTENT OF DISCOLOURATION INHIBITING ADDITIVES

Publication  
**EP 0044003 B1 19850320 (DE)**

Application  
**EP 81105166 A 19810703**

Priority  
DE 3026090 A 19800710

Abstract (en)  
[origin: EP0044003A1] 1. A liquid detergent containing a) from 5 to 18 % by weight of an alkyl polyglycol ether corresponding to the following formula see diagramm : EP0044003,P5,F1 in which R\*\*1 is a straight-chain alkyl group and from 20 to 75 % by weight of R\*\*2, based on the alcohol on which the alkyl polyglycol ether is based, is a C1 -C4 alkyl group and the remainder is hydrogen, the total number of carbon atoms in R\*\*1 and R\*\*2 amounting to between 11 and 15, and n has a value of from 5 to 9, n being selected in such a way that the ethylene oxide content of the alkyl polyglycol ether amounts to between 50 and 65 % by weight, b) from 5 to 18 % by weight of an alkyl polyglycol ether corresponding to formula I, in which R\*\*1 is a straight-chain alkyl group and R\*\*2 is either hydrogen or from 20 to 75 % by weight of R\*\*2, based on the alcohol on which the alkyl polyglycol ether is based, is a C1 -C4 alkyl group and the remainder is hydrogen, the total number of carbon atoms in R\*\*1 and R\*\*2 amounting to between 6 and 10, and n has a value of from 3 to 8, n being selected in such a way that the ethylene oxide content of the alkyl polyglycol ether amounts to between 55 and 70 % by weight, c) from 1 to 10 % by weight and preferably from 2 to 6 % by weight of a fabric-softening quaternary ammonium salt selected from the derivatives of ammonia and/or imidazoline preferably containing 2 long-chain aliphatic radicals in the molecule, the weight ratio of a) to b) preferably amounting to between 2:1 and 1:2, characterized in that it additionally contains d) up to 50 % by weight, based on the quantity of components a) and b), of a cationic starch ether containing ammonium groups, the quantitative ratio of c) to d) preferably amounting to between 3:1 and 1:3.

IPC 1-7  
**C11D 1/835; C11D 3/382; C11D 17/00**

IPC 8 full level  
**C11D 1/835** (2006.01); **C11D 3/00** (2006.01); **C11D 3/22** (2006.01); **C11D 3/382** (2006.01); **C11D 17/00** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)  
**C11D 1/8355** (2013.01); **C11D 3/0021** (2013.01); **C11D 3/227** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01)

Cited by  
EP4108749A1; WO2022271898A1; US4929381A; EP4108748A1; EP0596580A1; US4769079A; US4773936A; US4840676A; CN102844422A; US4769080A; US5750486A; EP0235679A1; US6316402B1; WO2011131412A1; WO2012055775A1; EP0607529B1; WO2022271897A1; WO9746650A1; WO9510586A1; WO8705321A1

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