

Title (en)
BUILDER-FREE LIQUID DETERGENTS WITH SOFTENING PROPERTIES

Publication
EP 0201016 B1 19900117 (DE)

Application
EP 86105800 A 19860426

Priority
DE 3516091 A 19850504

Abstract (en)
[origin: US4717507A] A liquid, readily pourable detergent concentrate having fabric-softening properties is free from builder salts and contains the following constituents: (a) from about 5 to about 15% by weight of sodium alkylbenzene sulfonate, (b) from about 7 to about 20% by weight of ethoxylated alcohols containing from 12 to 18 carbon atoms in the alcohol residue and from 5 to 10 glycol ether groups, (c) from about 6 to about 16% by weight, based on the weight of the fatty acids used to form the soap, of saturated or monounsaturated fatty acids containing from 12 to 18 C-atoms, present as a water-soluble soap, (d) from about 7 to about 15% by weight of a fatty acid diethanolamide derived from C16-C18 fatty acids of which at least 50% are monounsaturated, (e) from about 0.2 to about 3% by weight of sequestering agents, (f) from about 5 to about 15% by weight of low molecular weight alcohols and from about 25 to about 45% by weight of water. The ratio by weight of (a) to (b) to (c) to (d) is in the range of 1:(1-2):(1-2):(1.5-2.5).

IPC 1-7
C11D 10/04; C11D 17/00

IPC 8 full level
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CPC (source: EP US)
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Cited by
EP0353973A3; EP0592947A1; EP0534009A1; WO9900479A1

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EP 0201016 A2 19861112; EP 0201016 A3 19870923; EP 0201016 B1 19900117; AT E49608 T1 19900215; DE 3668330 D1 19900222; ES 554587 A0 19881116; ES 8900056 A1 19881116; JP S61255999 A 19861113; US 4717507 A 19880105

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