

Title (en)

LIQUID DETERGENT COMPOSITIONS, THEIR MANUFACTURE AND THEIR USE IN WASHING PROCESSES

Publication

**EP 0037184 B1 19850123 (EN)**

Application

**EP 81300964 A 19810309**

Priority

- GB 8010885 A 19800401
- GB 8010887 A 19800401

Abstract (en)

[origin: EP0037184A2] The present invention relates to aqueous alkaline built detergent compositions containing hydrogen peroxide. Alkaline conditions present particular difficulties for preventing the hydrogen peroxide from decomposing excessively rapidly during storage. Aqueous compositions containing a builder, especially polyphosphate or citrate, anionic sulphate or sulphonate surfactant, nonionic ethoxylate surfactant and hydrogen peroxide of acceptable peroxide stability can be obtained by employing an alcohol, preferably ethanol, or a polyhydroxy carboxylate, preferably gluconate, or especially both, in conjunction with a phosphonate, especially an ethylene amine methylene phosphonate. Many of such alkaline compositions are formulated to permit the anionic surfactant to work at or near to its optimum pH in conjunction with the builder. The invention also provides similar, but unbuilt compositions containing instead of the builder, additional surfactant, generally nonionic surfactant, and having a somewhat lower pH.

IPC 1-7

**C11D 3/39**; **C11D 17/00**

IPC 8 full level

**C11D 3/39** (2006.01)

CPC (source: EP)

**C11D 3/394** (2013.01); **C11D 3/3947** (2013.01)

Cited by

US5275753A; US5914304A; US4470919A; US5801138A; US5160655A; EP0076166A3; US5250212A; EP0892040A3; GB2158453A; FR2568886A1; EP0385522A3; EP0376704A1; EP0468103A1; US5264143A; US5271860A; TR25960A; WO9601310A1; WO9630485A1; WO9601311A1; WO9630486A1; WO9202607A1; WO9630483A1; WO9630484A1; WO9601309A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0037184 A2 19811007**; **EP 0037184 A3 19820317**; **EP 0037184 B1 19850123**; AU 544887 B2 19850620; AU 6881281 A 19811008; BR 8101906 A 19811006; CA 1174550 A 19840918; DE 3168426 D1 19850307; ES 500915 A0 19840616; ES 8405839 A1 19840616; PT 72722 A 19810401; PT 72722 B 19820324

DOCDB simple family (application)

**EP 81300964 A 19810309**; AU 6881281 A 19810326; BR 8101906 A 19810330; CA 373269 A 19810318; DE 3168426 T 19810309; ES 500915 A 19810331; PT 7272281 A 19810324