

Title (en)  
**DETERGENT COMPOSITIONS**

Publication  
**EP 0085448 B2 19901010 (EN)**

Application  
**EP 83200064 A 19830117**

Priority  
GB 8201948 A 19820125

Abstract (en)  
[origin: EP0085448A1] Detergent compositions containing from 2% to 60% of anionic surfactant or mixtures thereof with nonionic, zwitterionic or ampholytic surfactants, and from 0.5% to 6% of cosurfactant comprising a 5 : 1 to 1 : 5 mixture of mono- or di- amine oxide surfactant and water-soluble mono- or di- quaternary ammonium surfactant, the weight ratio of surfactant:cosurfactant being at least 1:1, and the equivalent ratio of anionic surfactant to cationic surfactant being at least 1:1. The compositions provide excellent grease/oil and lipid soil removal performance simultaneously with good clay soil detergency and whiteness maintenance under realistic multi-cycle wash-wear conditions, including low wash temperatures and carry-over of rinse added softener.

IPC 1-7  
**C11D 1/86**; **C11D 1/75**; **C11D 1/62**

IPC 8 full level  
**C11D 1/62** (2006.01); **C11D 1/75** (2006.01); **C11D 1/86** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)  
**C11D 1/62** (2013.01); **C11D 1/75** (2013.01); **C11D 1/86** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01); **C11D 1/72** (2013.01)

Cited by  
US2013237470A1; EP0537830A1; US5334503A; GB2164657A; AU586981B2; WO9712022A1; WO9712019A1; WO2012055775A1

Designated contracting state (EPC)  
BE DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0085448 A1 19830810**; **EP 0085448 B1 19851016**; **EP 0085448 B2 19901010**; DE 3360996 D1 19851121

DOCDB simple family (application)  
**EP 83200064 A 19830117**; DE 3360996 T 19830117