

Title (en)  
DETERGENT COMPOSITIONS

Publication  
**EP 0051986 B1 19850529 (EN)**

Application  
**EP 81305266 A 19811106**

Priority  
GB 8035710 A 19801106

Abstract (en)  
[origin: EP0051986A2] Granular built detergent compositions containing specific mixtures of anionic surfactant, alkoxyated nonionic surfactant and water-soluble cationic surfactant. In highly preferred compositions, the anionic surfactant comprises a sulfate or stulfonate anionic surfactant or a mixture thereof with a fatty acid soap. Especially preferred compositions comprise a mixture of sulfonate and sulfate anionic surfactants. The compositions provide enhanced oil and grease removal from fabrics together with good clay soil detergency, whiteness maintenance and foam control characteristics under realistic multicycle wash conditions.

IPC 1-7  
**C11D 1/86**

IPC 8 full level  
**C11D 1/86** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)  
**C11D 1/86** (2013.01); **C11D 1/04** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01)

Citation (examination)

- US 2577773 A 19511211 - LAMBERT JOSEPH M
- DE 2857161 A1 19800306 - PROCTER & GAMBLE
- DE 2857163 A1 19800306 - PROCTER & GAMBLE
- DE-Anm. C9796IVa/23e
- Kolloid-Z.u.Z. Polymere 243,129-135(1971)

Cited by  
US6165967A; EP0385562A3; US4561998A; GB2303144A; EP0845024A4; AT394376B; FR2620728A1; EP0843714A4; AT396479B; BE1002401A4; GR880100614A; US6207633B1; WO9703157A1; WO9703156A1; WO9859024A1; WO2019105780A1

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

DOCDB simple family (publication)  
**EP 0051986 A2 19820519; EP 0051986 A3 19820721; EP 0051986 B1 19850529;** AT E13554 T1 19850615; DE 3170763 D1 19850704

DOCDB simple family (application)  
**EP 81305266 A 19811106;** AT 81305266 T 19811106; DE 3170763 T 19811106