

Title (en)  
Detergent compositions.

Title (de)  
Bleichmittel.

Title (fr)  
Composition de blanchiment.

Publication  
**EP 0320219 B1 19940302**

Application  
**EP 88311560 A 19881207**

Priority  
• EP 88302262 A 19880316  
• GB 8728727 A 19871209  
• GB 8819077 A 19880811

Abstract (en)  
[origin: EP0320219A1] Detergent compositions comprising: (a) from about 1% to about 75% by weight of organic surfactant selected from anionic, nonionic, cationic, ampholytic and zwitterionic surfactants and mixtures thereof, (b) a peroxygen bleach component comprising i) up to about 40% by weight of peroxygen bleaching agent, and/or ii) up to about 25% by weight of a peroxyacid bleach precursor, and (c) from about 0.01% to about 2% by weight of an antioxidant, the antioxidant being incorporated within a solid, amorphous, glass-like carrier material formed of polyvinylpyrrolidone (PVP), the weight ratio of antioxidant:PVP being in the range from about 5:1 to about 1:10. The compositions combine excellent stability, substrate-safety, water-dispersibility, granulometry and detergency performance.

IPC 1-7  
**C11D 17/00**; **C11D 3/39**

IPC 8 full level  
**C11D 3/39** (2006.01)

CPC (source: EP)  
**C11D 3/0084** (2013.01); **C11D 3/3907** (2013.01); **C11D 3/394** (2013.01); **C11D 17/0034** (2013.01)

Cited by  
US5698499A; CN104902747A; US5259994A; US5767062A; US5804219A; US5932253A; WO2020051009A1; US7084100B2; WO9606151A1; WO2014063107A3; WO2004003188A3; US9044527B2; WO2020051011A1; US9283202B2; US9877483B2; US9018412B2; US11284621B2; US9936695B1; US10405545B2; WO2020051008A1; US9012681B2; US9468622B2; US9844219B2

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0320219 A1 19890614**; **EP 0320219 B1 19940302**; DE 3888116 D1 19940407; DE 3888116 T2 19940804; ES 2061692 T3 19941216

DOCDB simple family (application)  
**EP 88311560 A 19881207**; DE 3888116 T 19881207; ES 88311560 T 19881207