

Title (en)

DETERGENT COMPOSITION CONTAINING GRAFT COPOLYMER

Title (de)

PFROPFCOPOLYMERISAT ENTHALTENDE WASCHMITTELZUSAMMENSETZUNG

Title (fr)

COMPOSITION DETERGENTE CONTENANT UN COPOLYMERE GREFFE

Publication

EP 0745117 B1 19971210 (EN)

Application

EP 95907629 A 19950128

Priority

- EP 9500318 W 19950128
- GB 9403155 A 19940218

Abstract (en)

[origin: WO9522593A1] In a particulate detergent composition containing 10 wt % or more of mobile ethoxylated nonionic surfactant, the incorporation of a graft copolymer of polyethylene, polypropylene or polybutylene oxide with vinyl acetate/alcohol reduces bleeding out of nonionic surfactant as well as providing the known soil release benefit. Preferred compositions of the invention also contain sodium citrate and are of high bulk density.

IPC 1-7

C11D 3/37; C11D 3/00; C11D 1/72

IPC 8 full level

C11D 1/72 (2006.01); **C11D 1/83** (2006.01); **C11D 3/08** (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 3/382** (2006.01); **C11D 17/06** (2006.01); C11D 1/14 (2006.01)

CPC (source: EP)

C11D 1/72 (2013.01); **C11D 1/83** (2013.01); **C11D 3/3788** (2013.01); **C11D 17/065** (2013.01); **C11D 1/146** (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9522593 A1 19950824; AU 1577295 A 19950904; CA 2177057 A1 19950824; CZ 239796 A3 19961211; DE 69501208 D1 19980122; DE 69501208 T2 19980402; EP 0745117 A1 19961204; EP 0745117 B1 19971210; ES 2110314 T3 19980201; GB 9403155 D0 19940406; HU 218497 B 20000928; HU 9602274 D0 19961028; HU T75198 A 19970428; JP H09509203 A 19970916; PL 177812 B1 20000131; PL 316075 A1 19961223; SK 105996 A3 19970709; SK 281380 B6 20010312

DOCDB simple family (application)

EP 9500318 W 19950128; AU 1577295 A 19950128; CA 2177057 A 19950128; CZ 239796 A 19950128; DE 69501208 T 19950128; EP 95907629 A 19950128; ES 95907629 T 19950128; GB 9403155 A 19940218; HU 9602274 A 19950128; JP 52153395 A 19950128; PL 31607595 A 19950128; SK 105996 A 19950128