

Title (en)
Fabric softener composition

Title (de)
Weichspülmittelzusammensetzung

Title (fr)
Composition adoucissante pour textiles

Publication
EP 0899325 B1 20011219 (DE)

Application
EP 98810753 A 19980806

Priority
• EP 98810753 A 19980806
• EP 97810573 A 19970815

Abstract (en)
[origin: EP0899325A2] Fabric conditioner formulation contains (a) a water-soluble zinc (Zn), iron(II) (Fe-II), calcium (Ca), magnesium (Mg), sodium (Na), potassium (K), aluminum (Al), silicon(IV) (Si-IV), phosphorus(V) (P-V), titanium(IV) (Ti-IV), germanium(IV) (Ge-IV), chromium(VI) (Cr-VI), gallium(III) (Ga-III), zirconium(IV) (Zr-IV), indium(III) (In-III), tin(IV) (Sn-IV) or hafnium(IV) (Hf-IV) phthalocyanine and (b) a quaternium ammonium compound of formula $R_1R_2-N^{+}-A$ (I); in which R_1 , R_2 = 1-5 carbon (C) (hydroxy)alkyl; A = a group of formula (IIA) or (IIB); B = 1-5 C alkyl, 8-20 C fatty acyl or a (IIA) or (IIB) group; R_3 , R_4 , R_5 = an 8-20 C fatty acyl; $X_1<->$ = an anion compatible for conditioners; m, n, p = 0-5. Also claimed is a method of bleaching textile fiber materials with a photobleaching agent in a bath containing this formulation.

IPC 1-7
C11D 3/00; **C11D 1/62**; **C11D 3/02**

IPC 8 full level
C09K 3/16 (2006.01); **C11D 1/62** (2006.01); **C11D 3/00** (2006.01); **C11D 3/02** (2006.01); **C11D 3/395** (2006.01); **C11D 3/42** (2006.01); **D06L 3/12** (2006.01); **D06L 4/50** (2017.01); **D06M 13/02** (2006.01); **D06M 13/244** (2006.01); **D06M 13/248** (2006.01); **D06M 13/256** (2006.01); **D06M 13/282** (2006.01); **D06M 13/322** (2006.01); **D06M 13/35** (2006.01); **D06M 13/46** (2006.01); **D06M 13/463** (2006.01); **D06M 13/50** (2006.01)

IPC 8 main group level
C11D (2006.01)

CPC (source: EP KR US)
C11D 1/62 (2013.01 - EP US); **C11D 3/0015** (2013.01 - EP US); **C11D 3/0063** (2013.01 - EP KR US); **C11D 3/168** (2013.01 - KR); **C11D 3/30** (2013.01 - KR); **C11D 3/3951** (2013.01 - KR); **C11D 2111/12** (2024.01 - KR); **C11D 2111/46** (2024.01 - KR)

Cited by
EP1806392A1; CN1320090C; CN103147267A; EP0959123A1; US6645928B1; WO2004022693A1; WO0052121A3; US6291412B1; US8080511B2

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

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