

Title (en)
Multifunctional textile agents compositions

Title (de)
Multifunktionelle Textilhilfsmittel-Zusammensetzungen

Title (fr)
Compositions d'agents de finition multi-fonctionnels

Publication
EP 0696661 B1 20021023 (DE)

Application
EP 95810494 A 19950802

Priority
CH 248694 A 19940811

Abstract (en)
[origin: EP0696661A1] Multifunctional textile auxiliary (I) contains: (a) 10-60 wt.% nonionic surfactant of formula R1O-(Alkylene-O)m1- (I); (b) 10-60 wt.% of the reaction prod. of a nonionic surfactant of formula R2O-(Alkylene-O)n1- (II) and an unsatd. sulphonic or carboxylic acid or anhydride, (c) 4-20 wt.% hydrotropic additive, (d) 0-20 wt.% nonionic surfactant of formula R4O(C(Y1)HC(Y2)HO)p1(C(Y3)HC(Y4)HO)p2R5 (III), (e) 0-8 wt. % Mg carboxylate salt, (f) 0-30 wt.% complexing or sequestering agent, (g) 0-10 wt.% diol or polyol and (h) 0-60 wt.% water, components (e) - (g) always being present. In formulae, R1, R2 = 8-22C alkyl or 5-22C alkenyl; R3 = H, 1-4C alkyl, at least 6C cycloaliphatic gp., or benzyl; R4 = 9-14C alkyl; R5 = 1-8C alkyl, at least 5C cycloaliphatic gp., lower alkylphenyl or styryl; Y1-Y4 = H, Me or Et; one of the gps. in each pair Y1/Y2 and Y3/Y4 is always H; Alkylene = 2-4C alkylene; m1 = 1-40; n1 = 1-60; p1 = 4-10; p2 = 0-8. Also claimed is a process for the prodn. of (I) by reacting (1) and/or (2) with unsatd. acid or anhydride as above in presence of a catalyst to give (b), adjusting to pH 4.5 and adding the other components to give an homogeneous soln. Also claimed is a process for wetting, washing and/or bleaching fibre materials by treatment in aq. medium in the presence of (I), pref. in amts. of 0.1-60 (esp. pref. 1-20) g/l. Also claimed is fibre material treated by this process.

IPC 1-7
D06M 11/38; D06M 15/53; D06M 13/256; D06M 13/288

IPC 8 full level
C11D 1/72 (2006.01); **C11D 1/825** (2006.01); **C11D 1/83** (2006.01); **C11D 1/86** (2006.01); **C11D 1/94** (2006.01); **C11D 3/20** (2006.01); **C11D 3/34** (2006.01); **C11D 3/37** (2006.01); **D06L 1/12** (2006.01); **D06L 1/14** (2006.01); **D06L 3/02** (2006.01); **D06L 3/12** (2006.01); **D06L 4/12** (2017.01); **D06L 4/614** (2017.01); **D06M 11/38** (2006.01); **D06M 13/02** (2006.01); **D06M 13/144** (2006.01); **D06M 13/148** (2006.01); **D06M 13/152** (2006.01); **D06M 13/165** (2006.01); **D06M 13/17** (2006.01); **D06M 13/184** (2006.01); **D06M 13/188** (2006.01); **D06M 13/192** (2006.01); **D06M 13/203** (2006.01); **D06M 13/207** (2006.01); **D06M 13/244** (2006.01); **D06M 13/248** (2006.01); **D06M 13/256** (2006.01); **D06M 13/262** (2006.01); **D06M 13/278** (2006.01); **D06M 13/282** (2006.01); **D06M 13/288** (2006.01); **D06M 13/447** (2006.01); **D06M 15/263** (2006.01); **D06M 15/53** (2006.01); **D06P 1/613** (2006.01); **D06P 1/651** (2006.01); **D06P 1/653** (2006.01); **D06P 1/667** (2006.01); **C11D 1/14** (2006.01); **C11D 1/88** (2006.01)

CPC (source: EP KR US)
C11D 1/72 (2013.01 - EP US); **C11D 1/825** (2013.01 - EP US); **C11D 1/83** (2013.01 - EP US); **C11D 1/86** (2013.01 - EP US); **C11D 1/94** (2013.01 - EP US); **C11D 3/2034** (2013.01 - EP US); **C11D 3/2041** (2013.01 - EP US); **C11D 3/2048** (2013.01 - EP US); **C11D 3/2058** (2013.01 - EP US); **C11D 3/2065** (2013.01 - EP US); **C11D 3/2068** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/3418** (2013.01 - EP US); **C11D 3/3765** (2013.01 - EP US); **C11D 3/3773** (2013.01 - EP US); **C11D 3/378** (2013.01 - EP US); **C11D 3/3788** (2013.01 - EP US); **D06L 1/12** (2013.01 - EP US); **D06L 1/14** (2013.01 - EP US); **D06L 4/12** (2016.12 - EP US); **D06L 4/614** (2016.12 - EP US); **D06M 11/38** (2013.01 - EP US); **D06M 13/144** (2013.01 - EP US); **D06M 13/148** (2013.01 - EP US); **D06M 13/152** (2013.01 - EP US); **D06M 13/165** (2013.01 - EP US); **D06M 13/17** (2013.01 - EP US); **D06M 13/184** (2013.01 - EP US); **D06M 13/188** (2013.01 - EP US); **D06M 13/192** (2013.01 - EP US); **D06M 13/203** (2013.01 - EP US); **D06M 13/207** (2013.01 - EP US); **D06M 13/256** (2013.01 - EP US); **D06M 13/278** (2013.01 - EP US); **D06M 13/288** (2013.01 - EP US); **D06M 13/447** (2013.01 - EP US); **D06M 15/263** (2013.01 - EP KR US); **D06M 15/53** (2013.01 - EP US); **D06P 1/613** (2013.01 - EP US); **D06P 1/65118** (2013.01 - EP US); **D06P 1/6533** (2013.01 - EP US); **D06P 1/667** (2013.01 - EP US); **C11D 1/143** (2013.01 - EP US); **C11D 1/146** (2013.01 - EP US); **C11D 1/88** (2013.01 - EP US); **C11D 3/2044** (2013.01 - EP US)

Cited by
EP1092804A1; EP1081554A1; EP0744459A1; CN102995468A; EP0940495A1; US6096097A; US6802871B1; US6537662B1; US6989360B2; US6528576B1; WO0058547A1; WO0041500A3; WO03006734A3; WO2005019519A1; WO0037735A1

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

DOCDB simple family (publication)
EP 0696661 A1 19960214; EP 0696661 B1 20021023; BR 9503609 A 19960409; DE 59510431 D1 20021128; ES 2182880 T3 20030316; JP H0881696 A 19960326; KR 100344327 B1 20021130; KR 960007926 A 19960322; TW 293051 B 19961211; US 6200948 B1 20010313

DOCDB simple family (application)
EP 95810494 A 19950802; BR 9503609 A 19950810; DE 59510431 T 19950802; ES 95810494 T 19950802; JP 20264095 A 19950809; KR 19950024635 A 19950810; TW 84108418 A 19950812; US 90887597 A 19970808