

Title (en)
Multifunctional textile agents compositions

Title (de)
Multifunktionelle Textilhilfsmittel-Zusammensetzungen

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

Publication
EP 0696661 A1 19960214 (DE)

Application
EP 95810494 A 19950802

Priority
CH 248694 A 19940811

Abstract (en)
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. sulphonc 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.

Abstract (de)
Beschrieben werden multifunktionelle Textilhilfsmittel, enthaltend (a) 10 bis 60 Gew.% eines oder mehrerer nichtionogener Tenside der Formel (1), (b) 10 bis 60 Gew.% des Umsetzungsproduktes aus einem oder mehreren nichtionogenen Tensiden der Formel (2) und einer ethylenisch ungesättigten Sulfonsäure oder Carbonsäure oder deren Anhydrid, (c) 4 bis 20 Gew.% eines Hydrotropiermittels, (d) 0 bis 20 Gew.% eines nichtionogenen Tensids der Formel (3), (e) 0 bis 8 Gew.% eines Magnesiumsalzes einer organischen Carbonsäure, (f) 0 bis 30 Gew.% eines Komplexier- oder Sequestriermittels, (g) 0 bis 10 Gew.% eines Diols oder Polyols und (h) 0 bis 60 % Wasser, wobei einer der Komponenten (e) bis (g) im Textilhilfsmittel immer vorhanden sein muss. Die erfindungsgemässen Textilhilfsmittel zeichnen sich durch Schaumarmut, Lagerbeständigkeit, peroxid-stabilisierende Eigenschaften, gutes Emulgiervermögen und gute Wiederbenetzbarkeit aus. Ausserdem sind die Zusammensetzungen gut biologisch abbaubar.

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)

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