

Title (en)

LAUNDRY DETERGENT COMPOSITIONS COMPRISING ZWITTERIONIC POLYAMINES AND XYLOGLUCANASE

Title (de)

WASCHMITTEL ENTHALTEND ZWITTERIONISCHE POLYAMINE AND XYLOGLUCANASE

Title (fr)

COMPOSITIONS DETERGENTES POUR BLANCHISSERIE COMPRENANT DES POLYAMINES ZWITTERIONIQUES ET XYLOGLUCANASE

Publication

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Application

**EP 01916142 A 20010221**

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Abstract (en)

[origin: WO0162885A1] The present invention solves the problem of soil and dirt becoming entrained in cellulosic material loosened and removed from fabric during washing wherein said dirt and soil is entrapped by the cellulosic material and re-deposited onto the fabric surface. The compositions of the present invention comprise: a) from about 0.01 % by weight, of a zwitterionic polyamine which comprises a polyamine backbone, said backbone comprising two or more amino units wherein at least one of said amino units is quaternized and wherein at least one amino unit is substituted by one or more moieties capable of having an anionic charge wherein further the number of amino unit substitutions which comprise said anionic moiety is less than or equal to the number of quaternized backbone amino units; b) from about 0.00005 % by weight, of a xyloglucanase enzyme; c) from about 0.5 % to about 50% by weight, of a surfactant system comprising: i) from about 10 % to about 99 % by weight, of said surfactant system, of a nonionic surfactant; ii) from about 1 % to about 90 % by weight, of said surfactant system, of an anionic surfactant; iii) optionally, from 1 % to about 50% by weight, of said surfactant system, of a detergative surfactant selected from the group consisting of cationic surfactants, zwitterionic surfactants, ampholytic surfactants, and mixtures thereof; and the balance carriers and adjunct ingredients.

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