

Title (en)

LAUNDRY DETERGENT COMPOSITIONS WITH CERTAIN CATIONICALLY CHARGED DYE MAINTENANCE POLYMERS

Title (de)

WÄSCHEWASCHMITTELZUSAMMENSETZUNGEN ENTHALTEND BESTIMMTEN KATIONISCH GELADENEN FARBSTOFFERHALTENDEN POLYMER

Title (fr)

COMPOSITIONS DE DETERGENT A LESSIVE CONTENANT CERTAINS POLYMERES CHARGES CATIONIQUEMENT D'ENTRETIEN DES TISSUS

Publication

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Application

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Abstract (en)

[origin: WO0056849A1] The present invention relates to laundry detergent compositions providing dye protection benefits to fabric comprising: a) from about 4 % to about 70 % by weight, of a surfactant; b) from about 0.01 % by weight, of a dye maintenance polymer or oligomer, said polymer or copolymer comprising one or more linearly polymerizing monomers, cyclically polymerizing monomers, and mixtures thereof; and c) the balance carriers and adjunct ingredients.

IPC 1-7

C11D 3/00; C11D 3/37

IPC 8 full level

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- EP 0798414 A1 19971001 - PROTEX MANUF PROD CHIMIQ [FR]
- FR 2041667 A5 19710129 - PROTEX

Cited by

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