

Title (en)

Process for making a modified fiber material and process for dyeing the modified fiber material with anionic dyestuffs.

Title (de)

Verfahren zur Herstellung eines modifizierten Faser- materials und Verfahren zum Färben des modifizierten Fasermaterials mit anionischen Farbstoffen.

Title (fr)

Procédé de préparation d'un matériau fibreux modifié et procédé de teinture du matériau fibreux modifié avec des colorants anioniques.

Publication

EP 0546476 B1 19950809 (DE)

Application

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Priority

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- DE 4224283 A 19920723

Abstract (en)

[origin: EP0546476A1] A process for dyeing fibre materials with water-soluble, anionic dyes, in particular those containing a fibre-reactive group, is described, according to which the dyeing is carried out using low-electrolyte or completely electrolyte-free and/or low-alkali or completely alkali-free dye solutions (dye liquors, printing pastes) and in which a fibre material is employed which has been modified with a saturated straight-chain or branched aliphatic or cycloaliphatic compound which is optionally substituted by one or more hydroxy groups and which contains at least one primary, secondary or tertiary amino group or quaternary ammonium group and at least one hydrolysable ester group, it being possible for the aliphatic radical in this compound to be also interrupted by one or more hetero groups. The fibre material is modified by applying the aliphatic compound containing amino and ester groups to the fibre material in aqueous solution and subjecting the impregnated material to a heat treatment. In addition, some novel aliphatic compounds containing amino and ester groups are described which can be employed for the modification of the fibre material.

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IPC 8 full level

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Cited by

EP0790348A1; EP0613977A1; US5565007A; EP0690166A3; US5578088A; EP0601351A3; US5563271A; EP0590397A1; US5348557A; EP0665311A1; US5865858A; US5498267A; DE4417211A1; EP0638686A1; DE19547649A1; US5695529A; EP0783052A3; DE19547649C2; US5739304A; US5529585A; US6124029A; US5542954A; EP0665325A3; EP0580091A1; EP0692558A1; EP0783052A2; EP0690166A2; EP0692559A1

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