

Title (en)

Process for dyeing cellulose-containing fibrous materials with reactive dyes.

Title (de)

Verfahren zum Färben von cellulosehaltigen Fasermaterialien mit Reaktivfarbstoffen.

Title (fr)

Procédé de teinture de matières fibreuses contenant de la cellulose avec des colorants réactifs.

Publication

EP 0373117 A1 19900613 (DE)

Application

EP 89810910 A 19891128

Priority

CH 450988 A 19881206

Abstract (en)

[origin: JPH02200877A] PURPOSE: To dye fast cellulose-containing fiber materials with excellent fixing ratio by the pad dyeing process using a mixture of a specific fiber-reactive phthalocyanine dye and a fiber-reactive colorless compound. CONSTITUTION: Cellulose fibers are padded in an alkali padding bath at the normal temperature containing a fiber-reactive phthalocyanine dye of formula I [PC is a residue of copper phthalocyanine; W is OH and/or N(R₃)R₄; K is 1-3; R₁ is H, a halogen or the like; (R₂)₀₋₂ is 0-2 substituents selected from a 1-4C alkyl and a 1-4C alkoxy; R₃ and R₄ are each H or the like; B is a direct bond or (CH₂)_n (n is 0 or 1-6); R is formula II or the like (a IK is a 1-7C alkylene; V is H or the like; Z is a β-sulfatoethyl or the like)] and a colorless compound, for example, a cyclic aliphatic or aromatic amine of formula III (Z is same as cited above), then allowed to stand air-tightly at 25 deg.C for 24 hours. The combination of the reactive colorless compound attains the dyeing of increased fixing ratio and higher wet color fastness than those of the conventional pad dyeing at normal temperature.

Abstract (de)

Die Erfindung betrifft ein Verfahren zum Färben von cellulosehaltigen Fasermaterialien mit Reaktivfarbstoffen nach dem Foulardverfahren in Gegenwart eines Hilfsmittels, welches dadurch gekennzeichnet ist, dass man eine Mischung verwendet, enthaltend a) mindestens einen Reaktivfarbstoff der Formel <IMAGE> worin Pc, W, k, R₁, R₂, B und R die in Anspruch 1 angegebenen Bedeutungen haben, und b) mindestens eine farblose Verbindung, welche mindestens eine Gruppe -SO₂-Z enthält, wobei Z die in Anspruch 1 angegebene Bedeutung hat.

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