

Title (en)

Process for dyeing aminated polyester/cotton mix fabric, with disperse reactive dyestuff

Title (de)

Verfahren zum Färben aminierter Cellulose-/Polyester-Mischgewebe mit faserreaktiven Dispersionsfarbstoffen

Title (fr)

Procédé pour teindre des tissus en mélanges cellulose aminée polyester avec des colorants dispersés réactifs

Publication

**EP 0690166 A2 19960103 (DE)**

Application

**EP 95109421 A 19950619**

Priority

DE 4422707 A 19940629

Abstract (en)

A process for dyeing cellulose or cellulose/polyester fibre materials (I) comprises modifying the material with amino gp.-contg. cpds. (II) and then dyeing with a fibre-reactive dispersion dye in supercritical CO<sub>2</sub>. Most pref. (I) are, e.g. 2-oxo-1,3-oxazolidine and corresp. derivs. thereof subst. with 4- or 5-aminomethyl or with 4- or 5-(trimethylammonium-methyl) gps. (chloride salt in the latter type) (5 cpds. listed), or 1-(trimethylammonium-methyl)- ethylene carbonate chloride. PREFERRED PROCESS - Dyeing is carried out at 70-200 (pref. 100-150) degrees C for cellulose fibre and 130-210 (pref. 130-150) degrees C for cellulose/polyester, with a CO<sub>2</sub> pressure of 30-400 (pref. 140-250) bar.

Abstract (de)

Fasermaterialien, bestehend aus Cellulosefasern oder einer Mischung von Cellulose- und Polyesterfasern werden gefärbt, indem man das Fasermaterial zunächst mit einer oder mehreren aminogruppenhaltigen Verbindungen modifiziert und anschließend das modifizierte Fasermaterial mit einem faserreaktiven Dispersionsfarbstoff in überkritischem CO<sub>2</sub> färbt.

IPC 1-7

**D06P 3/854**; **D06P 5/00**

IPC 8 full level

**D06P 3/52** (2006.01); **D06P 1/94** (2006.01); **D06P 3/60** (2006.01); **D06P 3/66** (2006.01); **D06P 3/82** (2006.01); **D06P 3/854** (2006.01); **D06P 5/20** (2006.01); **D06P 5/22** (2006.01)

CPC (source: EP KR US)

**D06P 1/16** (2013.01 - KR); **D06P 1/38** (2013.01 - KR); **D06P 1/94** (2013.01 - EP KR US); **D06P 3/54** (2013.01 - KR); **D06P 3/6033** (2013.01 - KR); **D06P 3/6041** (2013.01 - EP US); **D06P 3/66** (2013.01 - EP US); **D06P 3/8233** (2013.01 - EP US); **D06P 3/854** (2013.01 - KR); **D06P 5/225** (2013.01 - EP US)

Citation (applicant)

- DE 3906724 A1 19900913 - DEUTSCHES TEXTILFORSCHZENTRUM [DE]
- DE 4230325 A1 19930318 - CIBA GEIGY AG [CH]
- US 3974160 P
- CH 564515 A5 19750731 - BOEHRINGER SOHN INGELHEIM
- JP H03247665 A 19911105 - MITSUBISHI CHEM IND
- JP H0459347 A 19920226 - KANZAKI PAPER MFG CO LTD
- JP H0335341 A 19910215 - NEC CORP
- JP H0332585 A 19910213 - GOTO TEKKOSHO KK
- JP H0332587 A 19910213 - MARUISHI SEISAKUSHO KK
- EP 0546476 A1 19930616 - HOECHST AG [DE]
- EP 0580091 A1 19940126 - HOECHST AG [DE]
- EP 0286597 A2 19881012 - SANDOZ AG [CH], et al
- EP 0151370 A2 19850814 - SANDOZ AG [CH], et al
- JP H055279 A 19930114 - KANEBO LTD
- DE 2930738 A1 19800508 - SANDOZ AG
- DE 2008811 A1 19710204
- "Houben-Weyl, Methoden der Organischen Chemie", vol. E4, pages: 82-88UND - 192FF.

Cited by

AT413825B; NL1014395C2; EP1126072A3; US6620211B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE IT LI NL PT

DOCDB simple family (publication)

**EP 0690166 A2 19960103**; **EP 0690166 A3 19960501**; BR 9502967 A 19960625; CA 2152896 A1 19951230; CN 1118825 A 19960320; DE 4422707 A1 19960104; JP H0874185 A 19960319; KR 960001332 A 19960125; US 5578088 A 19961126

DOCDB simple family (application)

**EP 95109421 A 19950619**; BR 9502967 A 19950628; CA 2152896 A 19950628; CN 95107627 A 19950629; DE 4422707 A 19940629; JP 16100695 A 19950627; KR 19950017709 A 19950628; US 49659795 A 19950629