

Title (en)

Dyeing and printing process of cellulose fibres in the absence of alkali or reducing agents.

Title (de)

Verfahren zum Färben und Bedrucken von Cellulosefasern in Abwesenheit von Alkali oder Reduktionsmitteln.

Title (fr)

Procédé de teinture et d'impression de fibres cellulosiques en absence d'alcali ou d'agents réducteurs.

Publication

EP 0359188 B1 19931215 (DE)

Application

EP 89116832 A 19890912

Priority

DE 3831464 A 19880916

Abstract (en)

[origin: EP0359188A2] Process for the alkali-free dyeing and printing of cellulose fibres with reactive dyes, direct dyes, acid dyes, water-soluble sulphur dyes or sulphur vat dyes, wherein the textile material to be dyed is pretreated with a wetting agent and a reaction product of an epihalogenohydrin and ammonia or an amine of the formula <IMAGE> where A is hydrogen, alkyl having 1 to 5 carbon atoms or hydroxyalkyl having 1 to 5 carbon atoms, R is alkyl having 1 to 5 carbon atoms, hydroxyalkyl having 1 to 5 carbon atoms, a group of the formula <IMAGE> (n = 0 to 5), a group of the formula <IMAGE> (X = oxygen or sulphur) (n = 0 to 5), or R and A together are <IMAGE> then dyed with the dyes mentioned in a conventional manner but without alkali, and the dyeing is finished by rinsing, soaping and drying.

IPC 1-7

D06P 3/60; **D06P 1/30**; **D06P 1/52**

IPC 8 full level

D06P 5/00 (2006.01); **D06M 13/02** (2006.01); **D06M 13/11** (2006.01); **D06M 13/322** (2006.01); **D06M 13/325** (2006.01); **D06M 13/328** (2006.01); **D06M 13/332** (2006.01); **D06M 13/35** (2006.01); **D06M 13/355** (2006.01); **D06M 13/368** (2006.01); **D06M 15/55** (2006.01); **D06P 1/30** (2006.01); **D06P 1/52** (2006.01); **D06P 1/645** (2006.01); **D06P 3/60** (2006.01); **D06P 5/22** (2006.01); **D06M 101/00** (2006.01); **D06M 101/02** (2006.01); **D06M 101/06** (2006.01); **D06M 101/08** (2006.01)

CPC (source: EP KR US)

D06P 1/645 (2013.01 - EP US); **D06P 3/60** (2013.01 - EP KR US); **Y10S 8/918** (2013.01 - US)

Cited by

EP0402879A1; US5565007A; US5529585A; CN111395013A; EP0665311A1; US5684141A; US5865858A; EP0692558A1; EP0692559A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0359188 A2 19900321; **EP 0359188 A3 19901024**; **EP 0359188 B1 19931215**; AT E98710 T1 19940115; AU 4134789 A 19900517; AU 617866 B2 19911205; BR 8904657 A 19900424; DE 3831464 A1 19900329; DE 58906427 D1 19940127; ES 2048249 T3 19940316; JP H02112488 A 19900425; KR 900005013 A 19900413; KR 970007924 B1 19970517; PH 26449 A 19920715; PT 91700 A 19900330; PT 91700 B 19950531; TR 24099 A 19910318; US 4988365 A 19910129; ZA 897047 B 19900627

DOCDB simple family (application)

EP 89116832 A 19890912; AT 89116832 T 19890912; AU 4134789 A 19890915; BR 8904657 A 19890915; DE 3831464 A 19880916; DE 58906427 T 19890912; ES 89116832 T 19890912; JP 23735389 A 19890914; KR 890013338 A 19890916; PH 39234 A 19890914; PT 9170089 A 19890913; TR 79889 A 19890914; US 40730889 A 19890914; ZA 897047 A 19890915