

Title (en)

Process for dyeing polyester and polyester-containing textile materials.

Title (de)

Verfahren zum Färben von Polyester und polyesterhaltigen Textilmaterialien.

Title (fr)

Procédé de teinture de textiles en polyester et en contenant.

Publication

**EP 0499090 A1 19920819 (DE)**

Application

**EP 92101415 A 19920129**

Priority

DE 4104655 A 19910215

Abstract (en)

[origin: JPH04333677A] PURPOSE:To enable high-temperature dyeing of a polyester or a polyester-containing textile material excellent in reproducibility on the alkaline side by using a specific monoazo dye. CONSTITUTION:A monoazo dye expressed by the formula [X<1> is H, Cl, Br, nitro or 1-4C alkylsulfonyl; X<2> is H, Cl or Br; X<3> is H, Cl, Br, nitro or 1-4C alkylsulfonyl; X<4> is H, Cl or Br; Y<1> is H or methyl; Y<2> is H; Y<3> is H; Y<4> is H, 1-4C alkyl or 1-4C alkoxy; R is H or 1-6C alkyl which can be substituted with allyl or 1-4C alkoxy; Y<1> and Y<2>, together with benzene ring to which they are bound, are capable of forming naphthyl group instead of a case that Y<1> means H or methyl and Y<2> means H and Y<2> and Y<3> together are capable of forming direct bond instead of a case that Y<2> and Y<3> respectively mean H] is used to dye polyester fiber at pH8-11 with excellent reproducibility without causing decomposition of the dye.

Abstract (de)

Die vorliegende Erfindung betrifft ein Verfahren zum HT-Färben von Polyester oder polyesterhaltigen Textilmaterialien bei pH 8 bis pH 11, dadurch gekennzeichnet, daß man einen oder mehrere Monoazofarbstoffe der allgemeinen Formel I <IMAGE> einsetzt, worin X<sup>1</sup> bis X<sup>4</sup>, Y<sup>1</sup> bis Y<sup>4</sup> sowie R wie in Anspruch 1 angegeben definiert sind.

IPC 1-7

**D06P 3/52; D06P 3/82**

IPC 8 full level

**D06P 1/18** (2006.01); **D06P 3/52** (2006.01); **D06P 3/54** (2006.01); **D06P 3/82** (2006.01)

CPC (source: EP US)

**D06P 3/52** (2013.01 - EP US); **D06P 3/8214** (2013.01 - EP US); **D06P 3/8233** (2013.01 - EP US); **Y10S 8/922** (2013.01 - US)

Citation (search report)

- [X] EP 0034716 A1 19810902 - BASF AG [DE]
- [X] DE 2212755 A1 19730920 - CASSELLA FARBWERKE MAINKUR AG
- [A] EP 0035671 A1 19810916 - CASSELLA FARBWERKE MAINKUR AG [DE]
- [A] FR 1185413 A 19590731 - HOECHST AG
- [X] CHEMICAL ABSTRACTS, vol. 100, no. 14, 2. April 1984, Columbus, Ohio, US; abstract no. 105089, 'Monoazo disperse dye.' Seite 86 ;

Cited by

EP0661351A1; US5248314A; US5279621A; EP0719888A3; DE4303359C2; EP0694587A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 0499090 A1 19920819; EP 0499090 B1 19950405**; DE 4104655 A1 19920820; DE 59201801 D1 19950511; ES 2070533 T3 19950601; JP H04333677 A 19921120; US 5244471 A 19930914

DOCDB simple family (application)

**EP 92101415 A 19920129**; DE 4104655 A 19910215; DE 59201801 T 19920129; ES 92101415 T 19920129; JP 2679792 A 19920213; US 82762492 A 19920129