

Title (en)

Polyester/spandex elastic fabric dyeing method

Title (de)

Färbeverfahren für elastisches Polyester-/Spandexgewebe

Title (fr)

Procédé de teinture de tissu élastique en polyester/élasthanne

Publication

EP 2067892 A1 20090610 (EN)

Application

EP 07122687 A 20071207

Priority

EP 07122687 A 20071207

Abstract (en)

A dyeing method for polyester/spandex elastic fabric includes dyeing and reduction rinsing processes; the dyeing process involving a chemical bath in a solution containing dispersing dye, ammonium acetate, and dyeing auxiliary at a given bath ratio and temperature; and the reduction rinsing process involving another chemical bath in solution containing sodium dithionite, sodium hydroxide, and rinse auxiliary at a given bath-ratio for the polyester to have better dyeing color under the low temperature dyeing conditions while allowing lighter dye absorption on the spandex; or better dye absorption for the spandex while delivering better color fastness to improve and upgrade color fastness, dyeing results, and quality.

IPC 8 full level

D06P 1/66 (2006.01); **D06P 1/673** (2006.01); **D06P 3/54** (2006.01); **D06P 3/82** (2006.01)

CPC (source: EP)

D06P 1/66 (2013.01); **D06P 1/67375** (2013.01); **D06P 3/54** (2013.01); **D06P 3/8214** (2013.01)

Citation (search report)

- [XY] WO 2007053160 A2 20070510 - INVISTA TECH SARL [US], et al
- [Y] US 5760111 A 19980602 - BIRBAUM JEAN-LUC [CH], et al
- [A] DATABASE WPI Week 200504, Derwent World Patents Index; AN 2005-033487, XP002474377

Cited by

CN103485197A; CN102817251A; CN108301198A; CN108589331A; CN104695238A; CN113089347A; CN103696289A; CN103541231A; CN105421105A; CN103643552A; CN103147315A; CN103422237A; CN104711870A; CN113005790A; CN104213437A; CN105040479A; US9796163B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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