

Title (en)

Method and device for dyeing a textile substrate

Title (de)

Verfahren und Vorrichtung zum Färben eines textilen Substrates

Title (fr)

Procédé et dispositif destinés à la teinture d'un substrat textile

Publication

EP 1990456 A3 20090624 (DE)

Application

EP 07022358 A 20071119

Priority

DE 102007022265 A 20070509

Abstract (en)

[origin: EP1990456A2] The method involves bringing a textile substrate (13) in contact with a dye liquor containing a reactive dyeing material. A colored textile substrate is rinsed after expiration/cycle of a preset dyeing time, and the dyeing material is not fixed through the textile substrate and is present in the dye liquor, is degraded by chemical and/or physical treatment. The dye liquor is formed as colorless, and the textile substrate is rinsed with a decolorized liquor. An oxidative treatment is performed as a chemical treatment, and a treatment with ozone is performed as an oxidative treatment. An independent claim is also included for a device for coloring a textile substrate for performing a method for dyeing a textile substrate, comprising a boiler.

IPC 8 full level

D06B 23/20 (2006.01)

CPC (source: EP KR US)

D06B 3/24 (2013.01 - US); **D06B 3/26** (2013.01 - EP); **D06B 23/00** (2013.01 - KR); **D06B 23/20** (2013.01 - EP KR US); **D06P 1/00** (2013.01 - KR); **D06P 1/94** (2013.01 - KR); **D06P 5/02** (2013.01 - US)

Citation (search report)

- [XY] DE 4129698 A1 19930311 - JOSEF JASPER GMBH & CO KG [DE]
- [Y] DATABASE WPI Section Ch Week 199735, Derwent World Patents Index; Class D15, AN 1997-384019, XP002460509

Cited by

CN109162051A; WO2009121317A1

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)

EP 1990456 A2 20081112; EP 1990456 A3 20090624; BR PI0801267 A2 20090428; CN 101302722 A 20081112; CN 101302722 B 20120404; DE 102007022265 A1 20081113; HK 1125982 A1 20090821; JP 2008280666 A 20081120; KR 101502917 B1 20150316; KR 20080099824 A 20081113; TW 200905034 A 20090201; TW I399470 B 20130621; US 2009126124 A1 20090521; US 2013081214 A1 20130404; WO 2008138282 A1 20081120

DOCDB simple family (application)

EP 07022358 A 20071119; BR PI0801267 A 20080429; CN 200710160861 A 20071227; DE 102007022265 A 20070509; DE 2007001524 W 20070827; HK 09104275 A 20090511; JP 2008105626 A 20080415; KR 20080043542 A 20080509; TW 97116759 A 20080507; US 201213622512 A 20120919; US 8180808 A 20080422