

Title (en)

Method of waterless processing of textile materials using supercritical fluid

Title (de)

Verfahren für wasserfreie Verarbeitung von Textilmaterialien unter Verwendung von superkritischer Flüssigkeit

Title (fr)

Procédé de traitement de matériaux textiles sans eau utilisant un fluide supercritique

Publication

EP 2843127 A1 20150304 (EN)

Application

EP 14155344 A 20140217

Priority

CN 201310375961 A 20130826

Abstract (en)

The present application is directed to a method of waterless processing of textile materials using supercritical fluid, including the use of supercritical fluid to dye the textile materials, the use of supercritical fluid for a pre-processing procedure of cleansing the textile materials, and the use of supercritical fluid to wash off unfixed dyes and cleansing of the textile materials and to perform the post-processing procedure of adding functional materials after the use of supercritical fluid to dye the textile materials. The present application provides an integrated technology of pre-processing, dyeing and post-processing of textile materials using supercritical fluid. At the same time, cleansing and dyeing are performed which effectively raises the efficiency.

IPC 8 full level

D06P 5/20 (2006.01); **B08B 7/00** (2006.01); **C11D 11/00** (2006.01); **D06B 19/00** (2006.01); **D06L 1/00** (2006.01); **D06M 23/10** (2006.01); **D06P 1/00** (2006.01); **D06P 1/94** (2006.01)

CPC (source: CN EP US)

D06B 9/00 (2013.01 - CN); **D06B 19/00** (2013.01 - EP US); **D06M 23/105** (2013.01 - EP US); **D06P 1/94** (2013.01 - EP US); **D06P 5/205** (2013.01 - EP US); **D06P 5/2055** (2013.01 - EP US); **D06P 5/2061** (2013.01 - EP US); **C11D 2111/12** (2024.01 - EP US); **D06B 23/20** (2013.01 - EP)

Citation (applicant)

HK 06112486 A 20061113

Citation (search report)

- [XY] GB 2259525 A 19930317 - CIBA GEIGY AG [CH]
- [Y] DE 4004111 A1 19900823 - DEUTSCHES TEXTILFORSCHZENTRUM [DE]
- [IP] EP 2672002 A1 20131211 - YKK CORP [JP], et al
- [Y] DE 4206954 A1 19930909 - JASPER GMBH & CO JOSEF [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 14155344 A 20140217; CN 201310375961 A 20130826; HK 15103472 A 20150408; HR P20191197 T 20190701; US 201414181757 A 20140217