

Title (en)

METHOD AND APPARATUS FOR WARPING AND METHOD OF DYEING OF HIGH TWISTED FINE COUNT YARN

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHÄREN UND VERFAHREN ZUM FÄRBEN VON VERDREHTEM UND FEIN GESPONNENEM GARN

Title (fr)

PROCÉDÉ ET APPAREIL D'OURDISSAGE ET PROCÉDÉ DE TEINTURE DE FILS FINS FORTEMENT TORSADÉS

Publication

**EP 2049717 A2 20090422 (EN)**

Application

**EP 07859584 A 20070709**

Priority

- IN 2007000281 W 20070709
- IN 1090MU2006 A 20060710

Abstract (en)

[origin: WO2008044241A2] The present invention provides embodiments comprising an apparatus for warping yarns, a comb, method of direct warping of the high twisted fine count yarns and method for dyeing of high twisted fine count yarns on slasher dyeing machine. The apparatus comprises a narrow width warp beam, a comb having flexible pins and is configured to high tension which enable direct warping of the high twisted fine count yarns such as voile yarns. The method of direct warping comprises warping of the yarns at high tension onto a narrow width beam. The method of dyeing of the high twisted yarn includes preparing of the beams having high density of high twisted fine count yarns on narrow width of the beam, and dyeing and separating at high tension.

IPC 8 full level

**D02H 5/00** (2006.01); **B06B 3/04** (2006.01); **D02H 13/16** (2006.01); **D02H 13/32** (2006.01)

CPC (source: EP US)

**D02H 5/00** (2013.01 - EP US); **D02H 7/00** (2013.01 - EP US); **D02H 13/16** (2013.01 - EP US); **D02H 13/32** (2013.01 - EP US);  
**D06B 3/04** (2013.01 - EP US); **D06B 3/345** (2013.01 - EP US)

Citation (search report)

See references of WO 2008044241A2

Citation (examination)

EP 0596834 A1 19940511 - BENNINGER AG MASCHF [CH]

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)

**WO 2008044241 A2 20080417; WO 2008044241 A3 20081009**; EP 2049717 A2 20090422; US 2009320252 A1 20091231

DOCDB simple family (application)

**IN 2007000281 W 20070709**; EP 07859584 A 20070709; US 30917707 A 20070709