

Title (en)

DYEING WARP YARNS WITH LEUCOINDIGO FOAM

Title (de)

FÄRBUNG VON KETTENFÄDEN MIT LEUKOINDIGO-SCHAUM

Title (fr)

TEINTURE DE FIL DE CHAINES AVEC UNE MOUSSE LEUCO INDIGO

Publication

EP 2288747 A2 20110302 (EN)

Application

EP 09772251 A 20090602

Priority

- EP 2009056709 W 20090602
- DE 102008027458 A 20080609

Abstract (en)

[origin: WO2010000551A2] The present invention relates to a process for dyeing cellulosic warp yarns with indigo by applying a leucoindigo foam to the warp yarns and subsequently oxidizing the leucoindigo to indigo, wherein the warp yarns are led through an entry opening into a sealed foam chamber and have leucoindigo foam applied to them therein before they reemerge from the foam chamber through an exit opening, the longitudinal tension of the warp yarns being closed loop controlled such that they are in a state of free suspension within the foam chamber.

IPC 8 full level

D06P 1/00 (2006.01); **D06B 19/00** (2006.01); **D06P 1/22** (2006.01); **D06P 1/96** (2006.01); **D06P 3/00** (2006.01); **D06P 3/60** (2006.01)

CPC (source: EP)

D06B 19/0094 (2013.01); **D06P 1/0016** (2013.01); **D06P 1/22** (2013.01); **D06P 1/228** (2013.01); **D06P 1/965** (2013.01); **D06P 3/003** (2013.01); **D06P 3/6025** (2013.01)

Citation (search report)

See references of WO 2010000551A2

Cited by

WO2019126450A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010000551 A2 20100107; **WO 2010000551 A3 20100617**; BR PI0914987 A2 20151027; CN 102046875 A 20110504; CN 102046875 B 20121017; EP 2288747 A2 20110302; EP 2288747 B1 20121003; MX 2010013459 A 20110411; TW 201030210 A 20100816

DOCDB simple family (application)

EP 2009056709 W 20090602; BR PI0914987 A 20090602; CN 200980118438 A 20090602; EP 09772251 A 20090602; MX 2010013459 A 20090602; TW 98118716 A 20090605