

Title (en)
DYEING PROCESS USING NATURAL DYES

Title (de)
VERFAHREN ZUM FÄRBEN MIT NATURFARBSTOFFEN

Title (fr)
PROCEDE DE TEINTURE UTILISANT DES COLORANTS NATURELS

Publication
EP 2478060 A2 20120725 (DE)

Application
EP 10739310 A 20100716

Priority
• AT 11832009 A 20090728
• EP 2010060339 W 20100716

Abstract (en)
[origin: WO2011012471A2] The invention relates to a method for producing a solution containing a dye and to a method for dyeing a substrate, characterised by the following steps: a. transferring the dye from biological material into an aqueous medium, b. precipitating the dye from the aqueous medium by the addition of a suitable precipitant, wherein at least a part of the precipitant forms a part of the dye precipitate, c. separating the dye precipitate from the aqueous medium and d. transferring the dye from the dye precipitate into an aqueous medium by adding a release agent and dyeing the substrate with an aqueous solution by releasing the dye from the dye precipitate by adding a release agent to the aqueous solution, characterised in that the release agent is a complexing agent, selected from the group of polycarboxylates, polycarboxylic acids, amino polycarboxylic acids, such as NTA or EDTA, oxalate, gluconate, citrate, phosphate, polyphosphate or combinations thereof.

IPC 8 full level
C09B 61/00 (2006.01); **C09B 63/00** (2006.01); **D06P 1/00** (2006.01)

CPC (source: EP)
C09B 61/00 (2013.01); **C09B 63/005** (2013.01); **D06P 1/34** (2013.01)

Citation (search report)
See references of WO 2011012471A2

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 SE SI SK SM TR

DOCDB simple family (publication)
AT 508000 A4 20101015; AT 508000 B1 20101015; EP 2478060 A2 20120725; WO 2011012471 A2 20110203; WO 2011012471 A3 20110414

DOCDB simple family (application)
AT 11832009 A 20090728; EP 10739310 A 20100716; EP 2010060339 W 20100716