

Title (en)
TOBACCO PLANT DERIVED DYE AND PROCESS OF MAKING THE SAME

Title (de)
FARBSTOFF AUS TABAKPFLANZEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
COLORANT ISSU DE PLANT DE TABAC ET SON PROCÉDÉ DE FABRICATION

Publication
EP 2861669 A4 20160323 (EN)

Application
EP 13785138 A 20130428

Priority

- US 201213460820 A 20120430
- US 2013038549 W 20130428

Abstract (en)
[origin: WO2013165857A1] A dye 22 produced from tobacco plant materials 14 selected from tobacco plants 12 and a process 50 for making the dye 22 from tobacco plants 12. In a preferred embodiment, the tobacco plants 12 are organically grown and the stems and leaves of the plants 12 are utilized to produce the dye 22. In one embodiment, the process 50 percolates a hot liquid solution 26 onto the plant materials 14 to produce tobacco plant fiber 16 and the dye 22. In the preferred embodiment, the process 50 includes the steps of grinding the plant materials, forming various solutions 56/60/64, adding enzyme cocktails 58/62, heating the solutions 60/64 for set periods of time and selectively adjusting the pH level of the solutions 56/60/64. The dye 22 can be produced in many colors and does not require a mordant to bind. The process 50 does not produce waste. The process 50 expands the use of tobacco plants 12, minimizes environmental impacts and requires less material, fuel and other resources.

IPC 8 full level
C09B 61/00 (2006.01); **D06P 1/34** (2006.01); **D06P 3/14** (2006.01); **D06P 3/60** (2006.01)

CPC (source: EP)
C09B 61/00 (2013.01); **D06P 1/34** (2013.01); **D06P 3/14** (2013.01); **D06P 3/60** (2013.01)

Citation (search report)

- [A] FR 629742 A 19271116
- [X] US 3513857 A 19700526 - SILBERMAN HENRI C
- [XI] US 2011287681 A1 20111124 - DEVAL SUZANNE M [US]
- See references of WO 2013165857A1

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

DOCDB simple family (publication)
WO 2013165857 A1 20131107; CA 2873619 A1 20131107; EP 2861669 A1 20150422; EP 2861669 A4 20160323; JP 2015519434 A 20150709

DOCDB simple family (application)
US 2013038549 W 20130428; CA 2873619 A 20130428; EP 13785138 A 20130428; JP 2015510351 A 20130428