

Title (en)  
PROCESS FOR DYEING FIBROUS MATERIAL FROM NATURAL POLYAMIDES

Publication  
**EP 0089004 B1 19860416 (DE)**

Application  
**EP 83102325 A 19830309**

Priority  
CH 155682 A 19820312

Abstract (en)  
[origin: US4444564A] The invention relates to a process for the non-skittery and level dyeing of fibre material made of natural polyamides, with dyes or mixtures of dyes in the presence of a mixture of dyeing assistants, which comprises using for dyeing these materials an aqueous liquor which contains at least one anionic wool dye which, under the defined dyeing conditions at 1/1 standard depth, exhausts to at least 95%, and a dyeing assistant mixture containing an anionic compound of the formula <IMAGE> (1) in which R is an alkyl or alkenyl radical having 12 to 22 carbon atoms, M is hydrogen, an alkali metal or ammonium, and m and n are integers such that the sum of m and n is 2 to 14, a quaternary compound of the formula <IMAGE> (2) in which R', independently of R, is what R has been defined as, A is an anion, Q is a substituted or unsubstituted alkyl radical, and p and q are integers such that the sum of p and q is 20 to 50, and a non-ionic compound of the formula <IMAGE> (3) in which R'', independently of R, is what R has been defined as, and x and y are integers such that the sum of x and y is 80 to 140, and which liquor can, if desired, also contain an ammonium or alkali metal salt, and finishing the dyeing regardless of its depth at pH 4.5-5.5 and at a temperature of 95 DEG to 105 DEG C. The process according to the invention is suitable for dyeing natural polyamide materials, especially wool, but also wool/nylon, wool/polyester, wool/cellulose or wool/polyacrylonitrile blends and silk, giving, with various types of dye or mixtures of dyes of identical or different dye types, non-skittery and level dyeings having good fastness properties.

IPC 1-7  
**D06P 1/607**; **D06P 3/06**

IPC 8 full level  
**D06P 1/60** (2006.01); **D06P 1/607** (2006.01); **D06P 3/06** (2006.01); **D06P 3/14** (2006.01)

CPC (source: EP US)  
**D06P 1/6076** (2013.01 - EP US); **D06P 3/06** (2013.01 - EP US); **Y10S 8/917** (2013.01 - US)

Cited by  
EP0263063A1; CN102995465A; EP0181292A3; EP0442844A1; EP0181293A3; FR2552791A1; GB2147319A; FR2611737A1; CH681055GA3; GB2177425A; GB2177425B; EP0378048A1; EP0163608A1; EP0593392A1; US5356445A; EP0555182A1; US5540739A; EP0293807A3

Designated contracting state (EPC)  
BE CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0089004 A1 19830921**; **EP 0089004 B1 19860416**; AU 1239683 A 19830915; AU 551980 B2 19860515; CA 1199453 A 19860121; DE 3363011 D1 19860522; JP S58191285 A 19831108; JP S6111348 B2 19860402; JP S61245385 A 19861031; JP S6327474 B2 19880603; NZ 203541 A 19860611; US 4444564 A 19840424; ZA 831694 B 19850327

DOCDB simple family (application)  
**EP 83102325 A 19830309**; AU 1239683 A 19830311; CA 423350 A 19830310; DE 3363011 T 19830309; JP 20418485 A 19850914; JP 4004983 A 19830312; NZ 20354183 A 19830311; US 47435283 A 19830311; ZA 831694 A 19830311