

Title (en)  
PROCESS FOR DYEING NATURAL POLYAMIDE FIBRES WITH REACTIVE DYES

Publication  
**EP 0312493 B1 19920715 (DE)**

Application  
**EP 88810631 A 19880915**

Priority  
CH 402487 A 19871014

Abstract (en)  
[origin: JPH01111079A] PURPOSE: To provide a process for dying of natural polyamide fibers at high exhaustion degree and with deep color, level dyeing and color fastness in exhaustion dyeing using reactive dyes by adding dyeing auxiliaries combined specific components into a dyebath. CONSTITUTION: This process is exhaustion dyeing of natural polyamide fibers with reactive dyes in the presence of (A) known quaternized ammonium compounds of polyglycol compounds, (B) components combined not only known quaternized ammonium compounds derived from aliphatic amines having 12-24C in the aliphatic moiety but also compounds including acidic esters or their salts derived from dibasic oxyacids and polyglycols and, furthermore, (C) dyeing auxiliaries added aliphatic alcohol/polyalkylene glycol ethers of the formula [R is an 8C aliphatic group; alkylene is ethylene group or propylene group; (m) is 3-25]. In the presence of the auxiliaries, the fibers can be dyed with deep color and level dyeing and the dyes are prevented from adhering to dyeing machines.

IPC 1-7  
**D06P 1/613; D06P 3/10**

IPC 8 full level  
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CPC (source: EP KR US)  
**D06P 1/38** (2013.01 - KR); **D06P 1/6133** (2013.01 - EP US); **D06P 3/10** (2013.01 - EP US); **Y10S 8/917** (2013.01 - US)

Cited by  
DE19527365A1; EP0555182A1; US5540739A

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

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**EP 0312493 A1 19890419; EP 0312493 B1 19920715**; AU 2241588 A 19890420; AU 604353 B2 19901213; DE 3872824 D1 19920820; JP H01111079 A 19890427; KR 890006913 A 19890616; NZ 226247 A 19900327; US 4935033 A 19900619

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