

Title (en)

PROCESS FOR DYEING NATURAL OR SYNTHETIC POLYAMIDES

Publication

EP 0344560 A3 19911030 (DE)

Application

EP 89109143 A 19890520

Priority

DE 3818182 A 19880528

Abstract (en)

[origin: EP0344560A2] Process for dyeing natural or synthetic polyamides with 1:1 chromium complexes of sulpho-containing azo or azomethine dyes in an aqueous liquor, wherein the chromium complexes of the dyes are used in the form of their betaines.

IPC 1-7

D06P 3/16; **D06P 3/24**

IPC 8 full level

D06P 3/16 (2006.01); **D06P 3/24** (2006.01)

CPC (source: EP KR US)

D06P 3/16 (2013.01 - EP US); **D06P 3/241** (2013.01 - EP US); **D06P 3/28** (2013.01 - KR)

Citation (search report)

- [A] DE 1806582 A1 19700521 - HOECHST AG
- [AD] BAUMANN UND HENSEL 'Fortschritt Chem. Forschung' 1966
- [AD] BARTHOLOME ET AL. 'Ullmanns Encyklopädie' 1978 , VERLAG CHEMIE , WEINHEIM . NEW YORK
- [AP] PATENT ABSTRACTS OF JAPAN vol. 012, no. 426 10. November 1988 & JP-A-63 156 863 (FUJI PHOTO FILM CO LTD) 29. Juni 1988

Designated contracting state (EPC)

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EP 0344560 A2 19891206; **EP 0344560 A3 19911030**; AR 240576 A1 19900531; AU 3522289 A 19891130; AU 606525 B2 19910207; CN 1038138 A 19891220; DE 3818182 A1 19891207; JP H0219578 A 19900123; KR 890017422 A 19891216; PT 90599 A 19891130; US 4979962 A 19901225

DOCDB simple family (application)

EP 89109143 A 19890520; AR 31389889 A 19890511; AU 3522289 A 19890526; CN 89103689 A 19890527; DE 3818182 A 19880528; JP 13029689 A 19890525; KR 890007182 A 19890527; PT 9059989 A 19890518; US 35728089 A 19890526