

Title (en)

PROCESS FOR DYEING POLYTRIMETHYLENE TEREPHTHALATE FIBRES AND USE OF THUS DYED FIBRES

Title (de)

VERFAHREN ZUM ANFÄRBN VON FASERN DES POLYTRIMETHYLENTEREPHTHALATS SOWIE VERWENDUNG VON NACH DIESEM VERFAHREN ERHÄLTICHEN GEFÄRBTEN FASERN

Title (fr)

PROCEDE DE TEINTURE DE FIBRES DE TEREPHTALATE DE POLYTRIMETHYLENE ET UTILISATION DES FIBRES TEINTES PAR CE PROCEDE

Publication

**EP 0746648 B1 19980114 (DE)**

Application

**EP 95909689 A 19950209**

Priority

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- EP 9500455 W 19950209

Abstract (en)

[origin: US5782935A] PCT No. PCT/EP95/00455 Sec. 371 Date Dec. 12, 1996 Sec. 102(e) Date Dec. 12, 1996 PCT Filed Feb. 9, 1995 PCT Pub. No. WO95/22650 PCT Pub. Date Aug. 24, 1995The present invention relates to a process for coloring polytrimethylene terephthalate fibers by treating the fibers with an aqueous liquor containing at least one dispersing colorant, in the absence of a carrier and the application of pressure. The temperature of the treatment is carried out at or below the boiling point of the liquid, within 20 DEG C. of the boiling point of the liquor. The coloring process begins at a liquor temperature between 20 DEG and 50 DEG C., and the temperature is raised over a period of 20 to 90 minutes. The liquor is then cooled to a temperature between 20 DEG and 50 DEG C., preferably at a rate of cooling of 1 DEG C. per minute, so that at least 95% wt. % of the colorant is absorbed by the fibers, and the dispersing colorant penetrates the fibers to a relative depth of at least 5% with respect to the diameter of the fibers.

IPC 1-7

**D06P 3/54; D06P 1/00**

IPC 8 full level

**C08L 67/02** (2006.01); **D06P 1/00** (2006.01); **D06P 1/16** (2006.01); **D06P 3/54** (2006.01); **D06P 5/20** (2006.01)

CPC (source: EP KR US)

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