

Title (en)

PROCESS FOR DYEING A TEXTILE SUBSTRATE IN AT LEAST ONE SUPERCRITICAL FLUID

Title (de)

VERFAHREN ZUM FÄRBen EINES TEXTILEN SUBSTRATES IN MINDESTENS EINEM ÜBERKRITISCHEN FLUID

Title (fr)

PROCEDE DE TEINTURE D'UN SUBSTRAT TEXTILE DANS AU MOINS UN FLUIDE SURCRITIQUE

Publication

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Application

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Abstract (en)

[origin: US5958085A] PCT No. PCT/DE96/01456 Sec. 371 Date Mar. 11, 1998 Sec. 102(e) Date Mar. 11, 1998 PCT Filed Aug. 5, 1996 PCT Pub. No. WO97/14843 PCT Pub. Date Apr. 24, 1997The description relates to a process for dyeing a textile substrate in at least one supercritical fluid, preferably for dyeing spools of yarn in supercritical carbon dioxide, where the textile substrate is placed in an autoclave in which the supercritical fluid containing at least one dye is caused to flow over or in it. The at least one dye is brought into contact with the supercritical fluid in loose, molten, solution and/or dispersion form to produce a stable solution of the dye in said fluid, avoiding the originally dissolved dye's deposition from the solution or the formation of dye agglomerates therein having a particle size of over 30 μ m and advantageously over 15 μ m.

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