

Title (en)

CONTINUOUS OR SEMI-CONTINUOUS PROCESS FOR DYEING KNITTING GOODS FROM CIRCULAR KNITTING MACHINES, AND CONTAINING CELLULOSIC FIBRES, WITH AZOIC DEVELOPING DYES

Publication

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Application

**EP 81105850 A 19810724**

Priority

DE 3028844 A 19800730

Abstract (en)

[origin: US4420309A] Continuous dyeing of cellulose knitted fabrics in hose form, according to a two-bath procedure and without intermediate drying, with azo dyes produced on the fiber by coupling of their formation components could be realized hitherto on an industrial scale in exceptional cases only. For the most part this dyeing method failed generally due to the insufficient liquor uptake of the flattened textile material that had previously been impregnated, on subsequent slop-padding wet-in-wet with the developing liquor. By incorporation of a combination comprising homo- or copolymers of acrylic acid amide and a wetting agent into the impregnation bath and the developing liquor, the liquor uptake thereof by the moist fiber material, both in the course of the impregnation phase and once more in the slop-padding operation for developing the dyes too, is increased and the penetration rate of the liquor during the coupling is improved in such a manner that textile hoses which exhibit even, well penetrated dyeings are obtained. Dyeing of tubular knitted fabrics, especially in hose form, with azo developing dyes has become feasible only in accordance with this invention. The process may be carried out as well in semicontinuous operation.

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