

Title (en)

Method for continuous dyeing of warp yarns and device for carrying out the method

Title (de)

Verfahren zum kontinuierlichen Färben von Kettgarn und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé de teinture à la continue de fils de chaîne et dispositif de mise en oeuvre du procédé

Publication

EP 0799924 B1 20020605 (DE)

Application

EP 97105573 A 19970404

Priority

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Abstract (en)

[origin: EP0799924A2] For the continuous dyeing of warp yarns, the band of warps is passed through a hermetically sealed dye reactor (1), structured to give the best technological results for each group of dyestuffs. After initial immersion in fresh dye for impregnation, the yarns pass through an intermediate mangle (3a) within the reactor (1). The fixing dwell time is given through the passage round guide and deflection rollers (5a-5g), with oxygen excluded and without further immersion in the dye, with a variable dwell time to give the required deg. of colouration according to the set technological conditions. Also claimed is an appts. with a dye reactor (1) as a vessel closed at the top. The bottom of the vessel, forming the base, has containers (2a-2c) for the dye baths. Water locks are over the side walls from the outer dye bath containers (2a,2c) for each formed by guide and deflection rollers (4a-4c), sealed against the ambient environment, to carry the band of warps in and out. An intermediate mangle (3a), within the reactor (1), has a variable pressure setting down to zero pressure, working with warp guide and deflection rollers (5a-5g). A hydraulic pipe system, below the reactor (1), feeds the baths with dyestuffs.

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CPC (source: EP US)

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Cited by

WO2019142224A1; ITUA20163921A1; IT201800001329A1; EP2150648A4; EP2286021A4; US11535980B2; US11168423B2; US11179744B2; WO2017208134A1; US7913524B2; WO2008147515A1

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