

Title (en)

Improvements in a completely automated yarn dyeing system

Title (de)

Völlig automatisiertes Garnfärbssystem

Title (fr)

Système complètement automatique de teinture de fils

Publication

EP 1561850 A1 20050810 (EN)

Application

EP 04425061 A 20040203

Priority

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Abstract (en)

The present invention is about improvements in a completely automated system for dyeing yarns, able to provide for a finished product through a completely smart process, comprising rectangular modules consisting of a basement (1) on which are disposed tanks (3) suitable for containing a yarn reel (4) for each of its working stages, conduits (2) suitable for conveying the required fluids for the different working stages of said yarn reel (4), means for housing each of said yarn reels (4) inside each of said tanks (3), conduits (12,8) for introducing and for ejecting said fluids from each of said tanks (3). Said improvements are characterised by comprising means which allow to obtain the complete uniformity of the dyebath, and consequently to obtain a superior quality for the yarns, which avoid the possibility of breaking said yarn in the manufacturing (spooling) operation, compromising its quality, and which allow to obtain a considerable volume reduction of the dyebath, that therefore means less use of colouring substances and auxiliary products, lower energetic consumption and consequently lower volume of effluent waste to be treated. <IMAGE>

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D06B 5/16; D06B 15/10

IPC 8 full level

D06B 5/16 (2006.01); **D06B 15/10** (2006.01)

CPC (source: EP)

D06B 5/16 (2013.01); **D06B 15/10** (2013.01)

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