Title (en)

Control method for synchronized fabric circulation in conveyor drive fabric dyeing machine

Title (de)

Steuerungsverfahren für synchronisierte Stoffzirkulation in förderbandbetriebener Stofffärbemaschine

Title (fr)

Procédé de commande pour circulation synchronisée de tissu dans une machine de teinture de tissu à entraînement de bande transporteuse

Publication

EP 3029192 A1 20160608 (EN)

Application

EP 14195552 A 20141201

Priority

EP 14195552 A 20141201

Abstract (en)

Disclosed is a control method for synchronized fabric circulation in a conveyer drive fabric dyeing machine. During a dyeing process of fabric (3), the fabric (3) is driven by a fabric guide (4) to move in a circulating manner and the time period for a cycle of circulation is set in consistency with the time period that a conveyor (2) moving from a rear end to a front end so as to achieve synchronization that makes the circulation smooth. The control method is performed with a computer or a PLC control unit (91) that is supplied with fabric length data (911) or fabric weight data (912) and fabric unit weight data (913) and, based on such data, performs an automatic operation of computation and supply of a signal to speed controllers of the fabric guide motor (40) and the conveyor motor (20) to set the speeds thereof at a predetermined ratio with respect to each other for synchronized operations.

IPC 8 full level

D06B 3/28 (2006.01); **D06B 3/36** (2006.01)

CPC (source: EP)

D06B 3/28 (2013.01); **D06B 3/36** (2013.01)

Citation (search report)
- [X] DE 202014104073 U1 20140909 - CHANG CHI LUNG [TW]
- [X] DE 202014104532 U1 20141007 - CHANG CHI LUNG [TW]
- [X] EP 1865097 A1 20071212 - L A I P S R L [IT]

Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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