

Title (en)

Method for winding cross-wound spools with precision winding on a two-for-one twisting machine

Title (de)

Verfahren zum Aufspulen von Kreuzspulen mit Präzisionswicklung an einer Doppeldrahtzwirnmachine

Title (fr)

Procédé d'embobinage de bobines croisées doté d'un enroulement de précision sur un métier à retordre à double torsion

Publication

EP 2226282 A3 20120125 (DE)

Application

EP 10001376 A 20100211

Previously filed application

102009011843 20090305 DE

Priority

DE 102009011843 A 20090305

Abstract (en)

[origin: EP2226282A2] The method involves detecting the tensile force acting on a twisted thread removed from a twisting spindle (2), and comparing the tensile force with a preset reference tensile force. The difference between the detected and reference tensile forces is determined as a correction factor of the driving force of a bobbin drive device (15). The driving force of the drive device and the shifting speed of a traversing device (9) are adjusted corresponding to each other, so that the windings of the twisted thread are arranged within a thread layer parallel to each other over a cross-wound bobbin (10). An independent claim is also included for a double wire twisting machine comprising a twisting spindle.

IPC 8 full level

B65H 54/34 (2006.01); **B65H 54/38** (2006.01); **B65H 54/52** (2006.01); **B65H 59/00** (2006.01); **B65H 59/12** (2006.01); **B65H 59/38** (2006.01)

CPC (source: EP)

B65H 54/343 (2013.01); **B65H 54/381** (2013.01); **B65H 54/52** (2013.01); **B65H 59/005** (2013.01); **B65H 59/12** (2013.01); **B65H 59/385** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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