

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)

- [YD] DE 1685978 A1 19711014 - SAURER ALLMA GMBH
- [Y] EP 1125880 A2 20010822 - SSM AG [CH]
- [Y] DE 2732420 A1 19790201 - AKZO GMBH
- [A] DE 3920374 A1 19910103 - SCHLAFHORST & CO W [DE]
- [A] DE 2165600 A1 19720914
- [A] EP 1550749 A2 20050706 - SAURER GMBH & CO KG [DE]
- [A] DE 3623370 A1 19870129 - BARMAG BARMER MASCHF [DE]
- [A] DE 2543986 A1 19770414 - SCHUBERT & SALZER MASCHINEN

Cited by

CZ306349B6; CN108085802A; CN113371537A

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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