

Title (en)

Method for picture disruption and device for coiling a cross-wound spool

Title (de)

Verfahren zur Bildstörung und Vorrichtung zum Wickeln einer Kreuzspule

Title (fr)

Procédé de perturbation d'image et dispositif d'enroulement d'une bobine croisée

Publication

EP 2746206 A3 20151216 (DE)

Application

EP 13005377 A 20131115

Priority

DE 102012024839 A 20121219

Abstract (en)

[origin: EP2746206A2] The method involves generating an alternating slip by acceleration and deceleration between a drive drum (3) and a cross-wound bobbin (2). The driving drum is formed with a spiraled groove (9). Maximum speed of the drive drum and rotational speed of the cross-wound bobbin are recorded according to two function portions. Ratio of two time periods is determined. An acceleration phase of the drive drum is adjusted according to comparison of quotient with a reference value. A braking power is applied in a motor (7) for delaying the drive drum. An independent claim is also included for a device for wrapping a cross-wound bobbin.

IPC 8 full level

B65H 54/38 (2006.01); **B65H 54/48** (2006.01)

CPC (source: EP)

B65H 54/38 (2013.01); **B65H 54/48** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [A] DE 3703869 A1 19880818 - SCHLAFHORST & CO W [DE]
- [AD] DE 19625510 A1 19980102 - SCHLAFHORST & CO W [DE]
- [AD] DE 19519542 A1 19960104 - SCHLAFHORST & CO W [DE]
- [AD] WO 2008107170 A1 20080912 - VIENCO GMBH [DE], et al

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DE102016115255A1; EP2985251A1; CN105366428A; DE102020110579A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2746206 A2 20140625; EP 2746206 A3 20151216; EP 2746206 B1 20170104; CN 103879836 A 20140625; CN 103879836 B 20170606; DE 102012024839 A1 20140626; JP 2014122117 A 20140703; JP 6218592 B2 20171025

DOCDB simple family (application)

EP 13005377 A 20131115; CN 201310757013 A 20131216; DE 102012024839 A 20121219; JP 2013262684 A 20131219