

Title (en)
METHOD AND DEVICE FOR WINDING A CONTINUOUSLY FED THREAD

Title (de)
VERFAHREN UND VORRICHTUNG ZUM AUFWICKELN EINES KONTINUIERLICH ZULAUFENDEN FADENS

Title (fr)
PROCEDE ET DISPOSITIF POUR ENROULER UN FIL CONTINU

Publication
EP 1175364 A2 20020130 (DE)

Application
EP 00943709 A 20000503

Priority
• DE 19920856 A 19990506
• EP 0003951 W 20000503

Abstract (en)
[origin: WO0068126A2] The invention relates to a method for winding a continuously fed thread and to a device for carrying out said method. According to the invention, the thread is wound on a driven bobbin to form a cross-wound bobbin, whereby the thread is guided in a to-and fro manner within a traversing stroke by a traversing thread guide. The length of the traversing stroke of the traversing thread guide can be changed within the bobbin width of the cross-wound bobbin. During winding (bobbin travel), the traversing stroke is changed between a maximum length at the start of bobbin travel and a final length at the completion of bobbin travel according to predetermined stroke function such that, over the course of the bobbin travel, a determined length is assigned to each traversing stroke, whereby the lengths of the traversing strokes are smaller than the respective wound bobbin widths.
[origin: WO0068126A2] According to the invention, the thread is wound on a driven bobbin (7) to form a cross-wound bobbin (6), whereby the thread is guided in a to-and fro manner within a traversing stroke by a traversing thread guide. The length of the traversing stroke of the traversing thread guide can be changed within the bobbin width of the cross-wound bobbin. During winding (bobbin travel), the traversing stroke is changed between a maximum length (HAn) at the start of bobbin travel and a final length (HEN) at the completion of bobbin travel according to predetermined stroke function (F1, F2) such that, over the course of the bobbin travel, a determined length is assigned to each traversing stroke, whereby the lengths of the traversing strokes are smaller than the respective wound bobbin widths.

IPC 1-7
B65H 1/00

IPC 8 full level
B65H 1/00 (2006.01); **B65H 54/28** (2006.01); **B65H 54/32** (2006.01)

CPC (source: EP KR US)
B65H 49/18 (2013.01 - KR); **B65H 54/2821** (2013.01 - EP US); **B65H 54/325** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)
See references of WO 0068126A2

Cited by
EP2221265A3; DE102007054633A1; DE102005045790A1; EP2221265A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0068126 A2 20001116; WO 0068126 A3 20010315; CN 1263669 C 20060712; CN 1362933 A 20020807; DE 50007296 D1 20040909; EP 1175364 A2 20020130; EP 1175364 B1 20040804; KR 100684087 B1 20070216; KR 20020014793 A 20020225; TR 200102950 T2 20020422; US 2002043585 A1 20020418; US 6523774 B2 20030225

DOCDB simple family (application)
EP 0003951 W 20000503; CN 00807253 A 20000503; DE 50007296 T 20000503; EP 00943709 A 20000503; KR 20017014013 A 20011102; TR 200102950 T 20000503; US 374501 A 20011031