

Title (en)

METHOD AND DEVICE FOR WINDING A YARN BOBBIN

Title (de)

VERFAHREN UND VORRICHTUNG ZUM WICKELN EINER FADENSPULE

Title (fr)

PROCEDE ET DISPOSITIF DE BOBINAGE D'UNE BOBINE DE FIL

Publication

**EP 1161396 A1 20011212 (DE)**

Application

**EP 01909582 A 20010108**

Priority

- DE 10001085 A 20000113
- EP 0100104 W 20010108

Abstract (en)

[origin: WO0151396A1] The invention relates to a method and a device for winding a yarn bobbin (6). According to said method, an in-running thread (1) is guided back and forth using a traversing thread guide (3) within a traversing stroke and is deposited on the yarn bobbin (6). To avoid the formation of high ridges on the bobbin, the traversing stroke of the traversing thread guide can be modified in length within the breadth of the yarn bobbin, during the winding process. The modifications to the length of the traversing stroke take place during the travel of the bobbin according to a predetermined respiration function (Z). According to the invention, the respiration function (Z) is determined from a mass distribution (F) of the thread on a theoretically wound, ideal yarn bobbin in such a way that a predetermined bobbin density of the yarn bobbin can be created.

IPC 1-7

**B65H 54/38**

IPC 8 full level

**B65H 54/38** (2006.01)

CPC (source: EP KR US)

**B65H 54/2821** (2013.01 - EP US); **B65H 54/38** (2013.01 - EP KR US); **B65H 54/385** (2013.01 - EP US); **B65H 2515/12** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

See references of WO 0151396A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0151396 A1 20010719**; AU 3727801 A 20010724; CN 1263670 C 20060712; CN 1358155 A 20020710; DE 50100508 D1 20030925; EP 1161396 A1 20011212; EP 1161396 B1 20030820; KR 100708245 B1 20070416; KR 20010114220 A 20011231; TR 200301809 T4 20040121; TW 512124 B 20021201; US 2002033428 A1 20020321; US 7163174 B2 20070116

DOCDB simple family (application)

**EP 0100104 W 20010108**; AU 3727801 A 20010108; CN 01800065 A 20010108; DE 50100508 T 20010108; EP 01909582 A 20010108; KR 20017011600 A 20010912; TR 200301809 T 20010108; TW 90100777 A 20010220; US 95234901 A 20010913