

Title (en)

METHOD AND DEVICE FOR CONTINUOUSLY WINDING UP SEVERAL THREADS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KONTINUIERLICHEN AUFWICKELN MEHRERER FÄDEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT L'ENROULEMENT EN CONTINU DE PLUSIEURS FILS

Publication

EP 1747160 A1 20070131 (DE)

Application

EP 05740470 A 20050429

Priority

- EP 2005004676 W 20050429
- DE 102004022468 A 20040506

Abstract (en)

[origin: WO2005108263A1] Disclosed are a method and a device for continuously winding up several threads to bobbins (5). According to the invention, the bobbins (5) are simultaneously retained and wound on two driven bobbin spindles (7.1, 7.2). Each of said bobbin spindles (7.1, 7.2) is disposed on two rotatably mounted bobbin revolvers (10.1, 10.2) which are provided with two additional driven bobbin spindles (11.1, 11.2) for taking over the threads and continuing the winding process. During the winding process, the threads are fed to the bobbins (5) by means of two pressing rollers (6.1, 6.2) which are allocated to the bobbin spindles and rest against the circumference of the bobbins (5). In order to ensure that all threads are pulled as uniformly as possible off a device that is mounted upstream when changing bobbins on both bobbin spindles (11.1, 11.2), the pressing rollers (6.1, 6.2) are driven at a thread-guiding circumferential speed which is greater than the circumferential speed of the bobbins (5) of both bobbin spindles (11.1, 11.2) when changing the bobbin spindle. To this avail, both pressing rollers (6.1, 6.2) are driven by a joint roller drive unit which is connected to a control device (21) that controls the rotary drive of the bobbin revolvers (10.1, 10.2).

IPC 8 full level

B65H 54/42 (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP KR)

B65H 54/42 (2013.01 - EP KR); **B65H 67/048** (2013.01 - EP KR); **B65H 2701/31** (2013.01 - EP)

Citation (search report)

See references of WO 2005108263A1

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

WO 2005108263 A1 20051117; CN 1950283 A 20070418; CN 1950283 B 20120905; DE 502005009460 D1 20100602; EP 1747160 A1 20070131; EP 1747160 B1 20100421; JP 2007536181 A 20071213; KR 20070012538 A 20070125

DOCDB simple family (application)

EP 2005004676 W 20050429; CN 200580014345 A 20050429; DE 502005009460 T 20050429; EP 05740470 A 20050429; JP 2007511983 A 20050429; KR 20067025705 A 20061206