

Title (en)
METHOD AND BOBBIN WINDING MACHINE FOR WINDING A CONTINUOUSLY FED THREAD ONTO A TUBE IN ORDER TO FORM A BOBBIN

Title (de)
VERFAHREN UND SPULMASCHINE ZUM AUFWICKELN EINES KONTINUIERLICH ZULAUFENDEN FADENS AUF EINER HÜLSE ZU EINER SPULE

Title (fr)
PROCEDE ET BOBINEUSE POUR L'ENROULEMENT D'UN FIL ALIMENTE EN CONTINU SUR UN TUBE POUR FORMER UNE BOBINE

Publication
EP 1507730 B2 20110817 (DE)

Application
EP 03725171 A 20030507

Priority
• DE 10223484 A 20020527
• EP 0304797 W 20030507

Abstract (en)
[origin: WO03099695A1] The invention relates to a method for winding a continuously fed thread (3) onto a tube (9) in order to form a bobbin (10). According to the invention, the tube is fixed on a driveable bobbin spindle (7) and the thread (3) can be wound onto the tube (9) and the bobbin (10) via a fixed top thread guide (2), a cross-winding device (11) which is provided with a transversing thread guide (15) and is driven especially back and forth and a contact roller (19) forming a fixing winding (20) and the bobbin (10). A spatial position of the transversing thread guide (15) of the cross-winding device (11) is detected and stored and used as a reference position during the formation of the fixing winding (20) and the bobbin (10). The spatial positions of the transversing thread guide (15) of the cross-winding device (11) are determined during the displacement of the bobbin and adapted to the speed of the bobbin.

IPC 8 full level
B65H 54/02 (2006.01); **B65H 54/34** (2006.01); **B65H 54/28** (2006.01); **B65H 54/30** (2006.01); **B65H 54/44** (2006.01)

CPC (source: EP)
B65H 54/2812 (2013.01); **B65H 54/2893** (2013.01); **B65H 54/343** (2013.01); **B65H 2701/31** (2013.01)

Citation (opposition)
Opponent :
• DE 69033392 T2 20000330 - KAMITSU SEISAKUSHO LTD [JP]
• EP 0453622 B1 19950215 - SSM AG [CH]
• EP 0561188 B1 19950809 - SAHM GEORG FA [DE]
• DE 3734478 A1 19890427 - SCHUBERT & SALZER MASCHINEN [DE]
• EP 0921087 A2 19990609 - BARMAG BARMER MASCHF [DE]
• DD 272638 A1 19891018 - TEXTIMA VEB K [DD]
• DD 120407 A6 19760612

Cited by
WO2015114598A1; WO2020249768A1; US8267343B2; WO2011064744A1; US9908740B2; EP3626657A1; WO2020057875A1; US11731852B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03099695 A1 20031204; AT E353846 T1 20070315; CN 1326761 C 20070718; CN 1656003 A 20050817; DE 10223484 A1 20031218; DE 10223484 B4 20080430; DE 50306510 D1 20070329; DK 1507730 T3 20070604; EP 1507730 A1 20050223; EP 1507730 B1 20070214; EP 1507730 B2 20110817; ES 2279948 T3 20070901; ES 2279948 T5 20111207; JP 2005527448 A 20050915; JP 4789465 B2 20111012

DOCDB simple family (application)
EP 0304797 W 20030507; AT 03725171 T 20030507; CN 03812133 A 20030507; DE 10223484 A 20020527; DE 50306510 T 20030507; DK 03725171 T 20030507; EP 03725171 A 20030507; ES 03725171 T 20030507; JP 2004507362 A 20030507