

Title (en)

Method and device for spooling a yarn and wound body thus achieved

Title (de)

Verfahren und Vorrichtung zum Wickeln von Garn und so hergestelltes Garnbündel

Title (fr)

Procédé et dispositif pour l'enroulement d'un fil textile et paquet de fil textile ainsi obtenu

Publication

EP 1764333 B1 20110309 (EN)

Application

EP 06120412 A 20060911

Priority

IT UD20050142 A 20050914

Abstract (en)

[origin: EP1764333A2] Method for spooling yarns comprising at least a first unwinding step in which the yarn (17) is unwound from a support member (13, 15, 16), and a second spooling step, in which said yarn (17) is disposed in layers according to a desired order. In the second spooling step, the yarn (17) is disposed inside a containing means (46) in overlapping layers, in which each of said layers (117) consists of a plurality of contiguous spirals (116) of yarn (17) and distributed according to the geometry of said containing means (46). The spirals (116) are formed by deposition means (35, 36, 37) able to rotate around a second forming axis (X) of said spirals (116). The spirals (116) are deposited on collection means (39) able to rotate and/or move linearly around/with respect to a relative first forming axis (Y; Y, Y 1 , Y 2 , Y 3) of said layers (117), wherein said second forming axis (X) of said spirals (116) does not coincide with said forming axis (Y; Y, Y 1 , Y 2 , Y 3) of said layers (117).

IPC 8 full level

B65H 54/80 (2006.01); **B65H 51/22** (2006.01); **B65H 54/84** (2006.01); **B65H 55/00** (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 54/80** (2013.01); **B65H 54/84** (2013.01); **B65H 55/00** (2013.01); **B65H 63/06** (2013.01); **B65H 2701/31** (2013.01)

Citation (examination)

GB 2048321 A 19801210 - REINERS VERWALTUNGS GMBH

Cited by

EP2484620A4; EP2484618A4; EP2484619A4; EP3028977A1; EP2774883A1; EP2216432A1; WO2009132467A3; WO2015180814A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1764333 A2 20070321; **EP 1764333 A3 20070919**; **EP 1764333 B1 20110309**; AT E501076 T1 20110315; DE 602006020528 D1 20110421; IT UD20050142 A1 20070315

DOCDB simple family (application)

EP 06120412 A 20060911; AT 06120412 T 20060911; DE 602006020528 T 20060911; IT UD20050142 A 20050914