Title (en)
Method and device for winding a predetermined length of yarn in layers on a bobbin.

Title (de)
Verfahren und Vorrichtung zum Aufwickeln von vorbestimmten Garnlängen in Lagen auf einer Spule.

Title (fr)
Procédé et dispositif pour embobiner une longueur prédéterminée de fil en couches sur une bobine.

Publication
EP 0386519 B1 19950913 (DE)

Application
EP 90103265 A 19900220

Priority
DE 3906474 A 19890301

Abstract (en)
[origin: EP0386519A1] A method and a device for winding predetermined lengths of yarn in layers on a bobbin by means of a winding element, especially for winding roving onto flyer bobbins (46) on a flyer, a relative axial to-and-fro movement occurring between the winding element (5, 44) and the bobbin during the winding operation, are characterised in that, to obtain a predetermined location of the yarn end or roving end on the bobbin (46), the wound-up length of yarn is continuously measured during the winding operation, and in that, when a predetermined wound-up length of yarn corresponding approximately to one of the last layers, but shorter than the predetermined length of yarn is reached, the relative axial position of the winding element (5, 44) and of the bobbin (46) or a parameter proportional to this is determined, and the device varying the relative position is so controlled that the length of yarn still remaining up to the predetermined length of yarn comes to an end at least essentially at the predetermined location as a result of controlled relative axial to-and-fro movements differing in amplitude from the previous amplitude. <IMAGE>

IPC 1-7
D01H 1/36; D01H 13/24; B65H 54/36

IPC 8 full level
B65H 54/36 (2006.01); **D01H 1/36** (2006.01); **D01H 7/50** (2006.01); **D01H 13/24** (2006.01)

CPC (source: EP)
B65H 54/365 (2013.01); **D01H 1/365** (2013.01); **D01H 13/24** (2013.01); B65H 2701/31 (2013.01)

Cited by
EP0622482A1; US5560193A; EP0503518A1; US5259179A; EP0927780A1; US6082658A

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0386519 A1 19900912; **EP 0386519 B1 19950913**; DD 297466 A5 19920109; DE 3906474 A1 19900906; DE 59009640 D1 19951019; JP H0333230 A 19910213

DOCDB simple family (application)
EP 90103265 A 19900220; DD 33823390 A 19900228; DE 3906474 A 19890301; DE 59009640 T 19900220; JP 4599290 A 19900228