

Title (en)

Method and apparatus for winding a yarn on a bobbin.

Title (de)

Verfahren und Vorrichtung zum Aufwickeln eines Fadens auf eine Spule.

Title (fr)

Procédé et dispositif pour enrouler un fil sur une bobine.

Publication

EP 0462430 B1 19941019 (DE)

Application

EP 91108794 A 19910529

Priority

CH 206190 A 19900620

Abstract (en)

[origin: EP0462430A1] The yarn is guided by a yarn guide (1) fastened to a cord (2). According to the invention, the cord (2) is driven by a driving part (7) which executes a harmonic vibration under the effect of a transmission roller (13) engaging into a slot (8). The transmission roller (13) is attached to a disc-shaped supporting part (24) driven via a driving wheel (5) and can be displaced in the radial direction by means of an electric motor (25) in order to change the amplitude of the harmonic vibration. For the purpose of approximating the movement of the yarn guide to a triangular vibration, a heart-shaped compensating disc (15), likewise driven via the driving wheel (5), sets a slide (16) in movement oscillating in synchronism with the harmonic vibration, so that by means of displaceable pairs of rollers (18a, 18b; 18c, 18d), which are mounted on the slide (16) and via which, and also via stationary rollers (20a; 20b) located between successive displaceable rollers, the cord (2) is guided, the travel of the cord (2) is respectively lengthened on one side of the traversing interval and is shortened correspondingly on the other side. <IMAGE>

IPC 1-7

B65H 54/28

IPC 8 full level

B65H 54/28 (2006.01)

CPC (source: EP US)

B65H 54/2815 (2013.01 - EP US); **B65H 54/2821** (2013.01 - EP US); **B65H 54/2893** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

EP1702876A1; EP1743862A1; EP0701015A1; US5630449A; GB2345300A; EP0994061A3; WO0055082A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0462430 A1 19911227; **EP 0462430 B1 19941019**; CH 681149 A5 19930129; DE 59103264 D1 19941124; JP H04226270 A 19920814; US 5370325 A 19941206

DOCDB simple family (application)

EP 91108794 A 19910529; CH 206190 A 19900620; DE 59103264 T 19910529; JP 14708591 A 19910619; US 98309892 A 19921127