Title (en)

Device for aspirating a thread starting end in a supply reel

Title (de)

Vorrichtung zum Ansaugen eines Fadenanfangs einer Ablaufspule

Title (fr)

Dispositif pour aspirer un début de fil d'une bobine à dévider

Publication

EP 0602358 B1 19970226 (DE)

Application

EP 93117465 A 19931028

Priority

DE 4241992 A 19921212

Abstract (en)

[origin: EP0602358A2] In winding machines, in which the run-off bobbins are supplied in a verticle position at the winding stations, it is known that, after a change of run-off bobbin, the thread start is located in the unwinding position and, for joining together with the thread end of the run-on bobbin, is inserted into a thread-end joining device or is applied to an empty tube for the winding-on of a run-on bobbin. Since the location of the thread start on the run-off bobbin in the unwinding position is time-consuming and lowers the efficiency of the winding station, it is proposed, according to the invention, that the thread start (51) deposited at a preferred point on the tube tip (52) be sucked up as early as when the run-off bobbin (15) is in the stand-by position (49). The thread is sucked up by means of a suction pipe (38) which is connected to a catching funnel (53) located above the run-off bobbin (15) which is in the stand-by position (49). During the change of the run-off bobbin, the run-off bobbin (15) which is in the stand-by position (49) is transferred in a vertical position to the unwinding position (6) and, at the same time, the sucked-up thread start (73) is supplied to the thread-end joining device (25) and inserted in it or is applied to an empty tube. <IMAGE>

IPC 1-7

B65H 67/08

IPC 8 full level

B65H 67/08 (2006.01)

CPC (source: EP US)

B65H 67/083 (2013.01 - EP US); B65H 2701/31 (2013.01 - EP US)

Cited by

CN105947796A

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

DE 4241992 A1 19940616; DE 59305536 D1 19970403; EP 0602358 A2 19940622; EP 0602358 A3 19950927; EP 0602358 B1 19970226; JP H06219649 A 19940809; US 5494231 A 19960227

DOCDB simple family (application)

DE 4241992 A 19921212; DE 59305536 T 19931028; EP 93117465 A 19931028; JP 30918093 A 19931209; US 16691993 A 19931213