

Title (en)

METHOD AND APPARATUS FOR DETECTING THE UNWINDING PROPERTIES OF UNWINDING BOBBINS

Publication

EP 0373324 A3 19911030 (DE)

Application

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Priority

DE 3842381 A 19881216

Abstract (en)

[origin: EP0373324A2] When rewinding from unwinding bobbins to cross-wound bobbins on winding devices of an automatic winder, difficulties may arise when pulling off the thread if there are only a few layers of yarn on the tube of the unwinding bobbin, such difficulties being manifested as thread entanglements and, as a consequence of these, as stress breakages. <??>To overcome these difficulties, a method for detecting unwinding bobbins is presented, the unwinding properties of which do not correspond to a predeterminable quality. For this purpose, the winding speed is measured and a thread breakage in relation to the winding speed is used for detecting the quality of the unwinding bobbin and, if it falls below the given quality, the corresponding unwinding bobbin is rejected and the winding operation is continued using a new unwinding bobbin. <??>The device according to the invention for carrying out the method provides for a signal processing apparatus (11), in which the winding speed signal up to a predeterminable winding speed and the thread breakage signal can be input. The signal processing apparatus (11) then produces a signal and transmits it if the signal of the winding speed below the predeterminable winding signal and the thread breakage signal are present at the same time. <IMAGE>

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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EP 0373324 A2 19900620; **EP 0373324 A3 19911030**; **EP 0373324 B1 19930804**; DE 3842381 A1 19900628; DE 58905153 D1 19930909; JP 2688265 B2 19971208; JP H02261778 A 19901024; US 5022596 A 19910611

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