

Title (en)

Process for carrying out a flexible and modulating winding cycle, and equipment suitable for the purpose

Title (de)

Verfahren und Vorrichtung zur Durchführung eines flexiblen und modulierenden Wickelzyklus

Title (fr)

Procédé et dispositif pour la réalisation d'un cycle de bobinage flexible et à modulation

Publication

EP 0717001 B1 19981209 (EN)

Application

EP 95203194 A 19951121

Priority

IT MI942527 A 19941215

Abstract (en)

[origin: EP0717001A1] Procedure and equipment for the automatic and continuous detection of data relating to a winding process in its cycle operating sequences each time a preparation, recontinuation or finishing cycle is necessary for interrupting the thread in the single collecting station of an automatic winder. More specifically, this process allows a flexible and modulating thread-winding cycle to be obtained as it detects the actual operating procedure of each phase to either continue the sequence, or to block the subsequent phases making them repetitive or repositioning them in partial retroaction. <IMAGE>

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B65H 69/00; **B65H 54/22**

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102012005988A1; DE102014012730A1; DE102013004053A1; DE102006026548A1; EP1826166A1; CN111747233A; EP2096070A3; EP2279976A3; EP2738129A3; DE19930714B4; EP2511216A3; DE19930714C5; US8505844B2; WO0002806A1; DE19907684A1; FR2790488A1; DE19907684B4; CZ300640B6; WO2007031368A3; US6381511B1; EP2990368A1; EP1712509A2; EP2029465B1

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