

Title (en)

Device for intermittently storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed, and the relative method.

Title (de)

Vorrichtung und Verfahren zum intermittierenden Speichern und Wiederabgeben von Fäden während des Aufspulens von konischen Spulen mit konstanter Fadenzuführgeschwindigkeit.

Title (fr)

Dispositif et procédé pour le stockage et la reprise par intermittence de fil pendant le bobinage de bobines coniques alimentées en fil à vitesse constante.

Publication

EP 0284147 A1 19880928 (EN)

Application

EP 88200491 A 19880317

Priority

IT 1975887 A 19870319

Abstract (en)

A device and method for winding conical bobbins with yarn withdrawn at constant speed from individual spinning units, and comprising: a deflecting roller (5), or similar element, which is connected to and moved backwards and forwards by a swinging arm (4) which by storing and returning the yarn compensates for the different speeds at which the yarn is collected on the conical surface of the bobbin (19) under formation; two proximity sensors (8, 9) positioned to define the regular range of swing of the yarn storage and return arm; an electronic control unit (10) arranged to receive an electrical signal or several electrical signals provided by the proximity sensors (8, 9) when the yarn storage and return (4) swings stray outside the regular range and arranged to generate, when said signals occur, an electrical control signal which activates a pressure variator (11); and a pressure variator (11) which increases or decreases the pressure on a disc yarn tensioner (7) in order to return the storage swing (4) to within the range of values corresponding to regular storage.

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IPC 8 full level

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CPC (source: EP)

B65H 59/24 (2013.01); **B65H 59/36** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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