

Title (en)

WINDING DEVICE, WINDING SYSTEM, AND TEXTILE MACHINE

Title (de)

WICKELVORRICHTUNG, WICKELSYSTEM UND TEXTILMASCHINE

Title (fr)

DISPOSITIF D'ENROULEMENT, SYSTÈME D'ENROULEMENT ET MACHINE TEXTILE

Publication

**EP 4242153 A1 20230913 (EN)**

Application

**EP 23156757 A 20230215**

Priority

JP 2022035177 A 20220308

Abstract (en)

An object of the present invention is to provide a winding device which is able to suppress the variation of contact pressure while using the weight of a package as the contact pressure. When viewed in an axial direction of a rotation drum 40, each cradle arm 30 swings so that, as the diameter of a package Pw increases, a direction of an inclined straight line L connecting a swing fulcrum U with a center V of a bobbin Bw supported by the cradle arm 30 gradually approaches a vertical direction. Furthermore, until the direction of the inclined straight line L becomes identical to the vertical direction after the start of winding of a yarn, a contact point S between the rotation drum 40 and the bobbin Bw or wound package Pw is arranged to be within an angle which is more than 0 degrees and less than 45 degrees on the premise that a horizontal direction passing through a starting point which is a center C of the rotation drum 40 is defined as 0 degrees.

IPC 8 full level

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CPC (source: CN EP)

**B65H 54/42** (2013.01 - EP); **B65H 54/52** (2013.01 - CN EP); **B65H 54/54** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)

JP 2013155030 A 20130815 - MURATA MACHINERY LTD

Citation (search report)

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- [Y] GB 818546 A 19590819 - DU PONT
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Designated contracting state (EPC)

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