

Title (en)

Yarn winding machine and yarn winding method

Title (de)

Garnwickelmaschine und Garnwickelverfahren

Title (fr)

Machine de bobbinage de fil et procédé de bobbinage de fil

Publication

EP 2105400 A3 20091223 (EN)

Application

EP 09150423 A 20090113

Priority

JP 2008084617 A 20080327

Abstract (en)

[origin: EP2105400A2] An object of the present invention is to provide a yarn winding machine and a yarn winding method which allow a saddle bag shape phenomenon to be very effectively dissolved even if a reference winding angle is reduced in response to high-order requirements such as a yarn type. A yarn winding mechanism (winder) 11 includes a roller 31 contacting with a package 18 during a package forming period P1 for synthetic fiber yarn Y, a traverse device 21 allowing a traverse speed to be changed and repeating temporarily increasing the traverse speed from a reference speed V1 to a target speed V2 and then reduce the traverse speed down to the reference speed V1, and free length changing means 41 for allowing free length FL of the synthetic fiber yarn Y between the roller 31 and the traverse device 21 to be changed and repeating free length change so as to temporarily increase and then reduce the free length FL. A traverse speed changing period T2 during which the traverse speed change is performed matches or overlaps a free length changing period F2 during which the free length change is performed.

IPC 8 full level

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CPC (source: EP KR)

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[DA] JP 2005225611 A 20050825 - TMT MACHINERY INC

Cited by

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