Title (en)
  YARN WINDER

Title (de)
  GARNWICKLER

Title (fr)
  ENROULEUR DE FILS

Publication
  EP 3950552 B1 20230510 (EN)

Application
  EP 21183951 A 20210706

Priority
  JP 2020134762 A 20200807

Abstract (en)
  [origin: EP3950552A1] An object of the present invention is to effectively suppress a variation of tension due to the reciprocal movement of a traverse guide.A re-winder 1 includes a traverse unit 23 which includes a traverse guide 33 for traversing a running yarn Y along the axial direction of a winding bobbin Bw, a tension applying unit (winding unit 13 and yarn feeding unit 14) configured to apply tension to the yarn Y which is to be wound onto the winding bobbin Bw, and a controller 15. The controller 15 includes a prediction information acquisition unit (traverse control unit 53) configured to obtain prediction information regarding at least one of a predicted future position and predicted future speed of the traverse guide 33 and a tension adjustment unit (roller control unit 54) configured to control the yarn feeding unit 14 based on adjustment information regarding the adjustment of tension (i.e., information regarding the number of rotations). The roller control unit 54 obtains rotation number adjustment information corresponding to the time point t1 in association with prediction information corresponding to the time point t2 which is a time point after the elapse of a predetermined time dt from the time point t1.

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