

Title (en)  
Yarn winding device

Title (de)  
Garnaufwickelvorrichtung

Title (fr)  
Dispositif de bobinage de fil

Publication  
**EP 1813563 B1 20081119 (EN)**

Application  
**EP 07001657 A 20070125**

Priority  
JP 2006023318 A 20060131

Abstract (en)  
[origin: EP1813563A2] The present invention improves the quality of a package (7) by preventing wrinkles in a yarn winding device which forms the package (7) by winding a supplied yarn (4) around a winding tube (6) while applying a tension to the yarn (4) by a tensioning device (30) and traversing the yarn (4) by a traversing device (5). Particularly, in precision winding with a fixed number of winds, in synchronism with an increase in diameter of a yarn layer (7) and a change in a traverse angle ( $\alpha$ ), the tension to be applied by the tensioning device (30) is changed. In detail, according to reduction in the traverse angle ( $\alpha$ ) calculated by traverse angle calculating means (75), tensioning control means (77) controls to reduce the tension to be applied.

IPC 8 full level  
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