

Title (en)
Yarn winding device

Title (de)
Garnaufwickelvorrichtung

Title (fr)
Dispositif de bobinage de fil

Publication
EP 1813563 A3 20070822 (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 (.), the tension to be applied by the tensioning device (30) is changed. In detail, according to reduction in the traverse angle (.) 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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B65H 54/38 (2013.01); **B65H 54/381** (2013.01); **B65H 59/10** (2013.01); **B65H 63/082** (2013.01); **B65H 2511/21** (2013.01); **B65H 2513/10** (2013.01); **B65H 2515/31** (2013.01); **B65H 2701/31** (2013.01)

C-Set (source: EP)
1. **B65H 2511/21** + **B65H 2220/01**
2. **B65H 2513/10** + **B65H 2220/01**
3. **B65H 2515/31** + **B65H 2220/02**

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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AL BA HR MK YU

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