

Title (en)
Yarn winding device

Title (de)
Garnwicklungsvorrichtung

Title (fr)
Dispositif de renvideur de fil

Publication
EP 1947046 A1 20080723 (EN)

Application
EP 08007863 A 20070125

Priority
• EP 07001657 A 20070125
• JP 2006023318 A 20060131

Abstract (en)
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), wherein the tensioning (30) device controls tension in synchronism with a change in the traverse angle (,) based on a tension pattern according to a yarn remaining amount on the supplying bobbin (3).

IPC 8 full level
B65H 59/10 (2006.01); **B65H 54/38** (2006.01); **B65H 63/08** (2006.01)

CPC (source: EP)
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**

Citation (applicant)
• DE 10342266 A1 20040401 - SAURER GMBH & CO KG [DE]
• US 5676329 A 19971014 - BERTOLI LUCIANO [IT], et al
• US 6035667 A 20000314 - WATABE KENZO [JP], et al
• DE 19625513 A1 19980102 - SCHLAFHORST & CO W [DE]
• JP H01209280 A 19890823 - MURATA MACHINERY LTD
• JP 2005060039 A 20050310 - MURATA MACHINERY LTD

Citation (search report)
• [DA] DE 10342266 A1 20040401 - SAURER GMBH & CO KG [DE]
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• [A] WO 9505333 A1 19950223 - BARMAG BARMER MASCHF [DE], et al
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Designated contracting state (EPC)
DE IT

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AL BA HR MK RS

DOCDB simple family (publication)
EP 1813563 A2 20070801; **EP 1813563 A3 20070822**; **EP 1813563 B1 20081119**; DE 602007000245 D1 20090102;
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