

Title (en)  
Yarn winding device

Title (de)  
Garnwicklungsvorrichtung

Title (fr)  
Dispositif de bobinage de fil

Publication  
**EP 2690044 A3 20151216 (EN)**

Application  
**EP 13178228 A 20130726**

Priority  
JP 2012167242 A 20120727

Abstract (en)  
[origin: EP2690044A2] A yarn winding unit (1) includes a yarn supplying section (2) that supplies a yarn (Y), a winding section (12) that winds the yarn (Y) into a package (2), the winding section including a winding drum that makes contact with an outer peripheral surface of the package (P) and rotates, a yarn running speed detecting section (10) that detects a speed of the yarn (Y) running between the yarn supplying section (2) and the winding section (12), and an error detecting section (14a) that calculates a speed ratio by dividing the yarn running speed by a circumferential speed of the winding drum (16), and detects presence/absence of a winding error based on the speed ratio.

IPC 8 full level  
**B65H 63/00** (2006.01); **B65H 54/38** (2006.01); **B65H 63/04** (2006.01)

CPC (source: EP)  
**B65H 54/388** (2013.01); **B65H 63/003** (2013.01); **B65H 63/04** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [A] DE 102006035251 A1 20080131 - VIENCO GMBH [DE], et al
- [A] DE 102007011499 B3 20080703 - VIENCO GMBH [DE], et al
- [A] DE 102008019012 A1 20091022 - HERMANN'S FERDINAND JOSEF [DE], et al
- [A] DE 3703869 A1 19880818 - SCHLAFHORST & CO W [DE]
- [AD] JP H01127566 A 19890519 - MURATA MACHINERY LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2690044 A2 20140129**; **EP 2690044 A3 20151216**; **EP 2690044 B1 20170118**; CN 103572438 A 20140212; CN 103572438 B 20170531; JP 2014024652 A 20140206

DOCDB simple family (application)  
**EP 13178228 A 20130726**; CN 201310251682 A 20130624; JP 2012167242 A 20120727