

Title (en)  
Yarn winding apparatus

Title (de)  
Garnwickelvorrichtung

Title (fr)  
Appareil d'enroulement de fil

Publication  
**EP 2664571 B1 20150930 (EN)**

Application  
**EP 13162090 A 20130403**

Priority  
JP 2012114443 A 20120518

Abstract (en)  
[origin: EP2664571A2] A winding unit (2) of an automatic winder (1) includes a yarn supplying section (11), a winding section (13) that winds a yarn Y supplied from the yarn supplying section (11) around a winding tube (17) into a package, a yarn clearer (22) that detects thickness of the yarn Y, and a unit controller (26). The unit controller (26) includes a yarn length calculating section (41) that calculates the length of the yarn Y wound around the winding tube (17) and a weight calculating section (42) that calculates a yarn weight of the package. The weight calculating section (42) calculates the yarn weight of the package based on the thickness of the yarn Y detected by the yarn clearer (22), the length of the yarn Y detected by the yarn length calculating section (41), and information on the specific gravity of the yarn Y.

IPC 8 full level  
**B65H 63/08** (2006.01)

CPC (source: EP)  
**B65H 63/08** (2013.01); **B65H 63/084** (2013.01); **B65H 2701/31** (2013.01)

Cited by  
EP4001193A1; WO2019007729A1; WO2017187365A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2664571 A2 20131120**; **EP 2664571 A3 20140611**; **EP 2664571 B1 20150930**; CN 103420225 A 20131204; CN 103420225 B 20170503; JP 2013241232 A 20131205

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**EP 13162090 A 20130403**; CN 201310090562 A 20130320; JP 2012114443 A 20120518