

Title (en)  
Winding device

Title (de)  
Wicklungsvorrichtung

Title (fr)  
Dispositif d'enroulement

Publication  
**EP 2620533 B1 20150715 (EN)**

Application  
**EP 12194098 A 20121123**

Priority  
JP 2012016794 A 20120130

Abstract (en)  
[origin: EP2620533A2] Provided is a winding device (100) including a control section (11) adapted to cause the yarn joining section (5) to join the spun yarn (Y) to resume the formation of the package (P); and a determination section (11d) adapted to determine that the yarn supplying bobbin (SB) is abnormal when the yarn detecting section (6) detects the yarn breakage of the spun yarn (Y) and the tension detecting section (4) detects a value greater than or equal to a predetermined value.

IPC 8 full level  
**D01H 13/16** (2006.01); **B65H 63/04** (2006.01); **B65H 67/02** (2006.01); **D01H 1/04** (2006.01)

CPC (source: EP)  
**B65H 63/04** (2013.01); **B65H 67/02** (2013.01); **D01H 1/04** (2013.01); **D01H 13/16** (2013.01); **B65H 2701/31** (2013.01)

Cited by  
EP3828325A1; WO2021105382A1

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

DOCDB simple family (publication)  
**EP 2620533 A2 20130731**; **EP 2620533 A3 20140402**; **EP 2620533 B1 20150715**; CN 103224168 A 20130731; CN 103224168 B 20161228; JP 2013154993 A 20130815

DOCDB simple family (application)  
**EP 12194098 A 20121123**; CN 201310036310 A 20130130; JP 2012016794 A 20120130