

Title (en)

YARN WINDING DEVICE AND PACKAGE DECELERATION METHOD

Title (de)

GARNAUFWICKLUNGSVORRICHTUNG UND PAKETENTSCHLEUNIGUNGSVERFAHREN

Title (fr)

DISPOSITIF DE BOBINAGE DE FIL ET PROCÉDÉ DE DÉCÉLÉRATION DE PAQUET

Publication

EP 3312118 A1 20180425 (EN)

Application

EP 17192340 A 20170921

Priority

JP 2016204099 A 20161018

Abstract (en)

The winding unit (2) includes a cradle (51) that supports a winding bobbin (Bm), a package rotational speed sensor (61), a traversing drum (52), a drum driving motor (62), a drum rotational speed sensor (63), a braking device (53), and a unit controlling section (15). The unit controlling section (15), when decelerating a package (100) while maintaining a state in which the package (100) and the traversing drum (52) are in contact with each other and a yarn (Y) is being wound on the package (100), controls the braking device (53) based on a detection result obtained in each of the package rotational speed sensor (61) and the drum rotational speed sensor (63) such that a circumferential speed of the package (100) is slower than a circumferential speed of the traversing drum (52).

IPC 8 full level

B65H 54/42 (2006.01)

CPC (source: CN EP)

B65H 54/26 (2013.01 - CN); **B65H 54/42** (2013.01 - EP); **B65H 54/48** (2013.01 - CN); **B65H 54/74** (2013.01 - CN); **B65H 59/36** (2013.01 - CN); **B65H 2701/31** (2013.01 - CN EP)

Citation (applicant)

- JP 2016078995 A 20160516 - MURATA MACHINERY LTD
- JP 2013253353 A 20131219 - MURATA MACHINERY LTD

Citation (search report)

- [AD] JP 2016078995 A 20160516 - MURATA MACHINERY LTD & EP 3009387 A1 20160420 - MURATA MACHINERY LTD [JP]
- [A] US 5595351 A 19970121 - HAASEN ROLF [DE]
- [A] US 4805844 A 19890221 - HERMANN'S FERDINAND-JOSEF [DE], et al
- [A] DE 102009004615 A1 20100722 - OERLIKON TEXTILE GMBH & CO KG [DE]

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 3312118 A1 20180425; **EP 3312118 B1 20181031**; CN 107954255 A 20180424; CN 107954255 B 20201113; JP 2018065638 A 20180426

DOCDB simple family (application)

EP 17192340 A 20170921; CN 201710933537 A 20171010; JP 2016204099 A 20161018