

Title (en)
YARN WINDING MACHINE AND YARN WINDING METHOD

Title (de)
GARNWICKELMASCHINE UND GARNWICKELVERFAHREN

Title (fr)
MACHINE DE RENVIDEUR DE FIL ET PROCÉDÉ DE RENVIDAGE DE FIL

Publication
EP 2966023 A1 20160113 (EN)

Application
EP 15167294 A 20150512

Priority
JP 2014142088 A 20140710

Abstract (en)
A yarn winding machine includes a yarn supplying section (9), a winding section (26), a yarn joining device (23), a detecting section (25), and a determining section (90). The yarn supplying section (9) supplies a yarn (10). The winding section (26) winds the yarn (10) supplied by the yarn supplying section (9) onto the package (50). The yarn joining device (23) joins the yarn (10) from the yarn supplying section (9) and the yarn (10) from the winding section (26). The detecting section (25) detects a joint formed by the yarn joining device (23). The determining section (90) determines, based on a detection result of the detecting section (25), whether the joint is normal. The winding section (26) performs winding of the package (50) by increasing acceleration of a rotation speed of the package (50) after the determining section (90) determines that the joint is normal.

IPC 8 full level
B65H 63/00 (2006.01); **B65H 63/06** (2006.01); **B65H 67/08** (2006.01); **B65H 69/06** (2006.01)

CPC (source: EP)
B65H 63/00 (2013.01); **B65H 63/065** (2013.01); **B65H 67/081** (2013.01); **B65H 69/061** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• JP 2013067892 A 20130418 - MURATA MACHINERY LTD
• JP 2013230908 A 20131114 - MURATA MACHINERY LTD
• JP H02215662 A 19900828 - MURATA MACHINERY LTD

Citation (search report)
• [XAI] EP 2361867 A2 20110831 - MURATA MACHINERY LTD [JP]
• [XI] DE 3937824 A1 19910516 - SCHLAFHORST & CO W [DE]
• [II] GB 2100310 A 19821222 - MESDAN SPA
• [X] DE 4124036 A1 19920123 - MURATA MACHINERY LTD [JP]
• [A] WO 2007000203 A1 20070104 - SAURER GMBH & CO KG [DE], et al

Cited by
CN112299146A; CN111747233A

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 2966023 A1 20160113; **EP 2966023 B1 20170329**; CN 105253710 A 20160120; CN 105253710 B 20200320; CN 110642095 A 20200103; CN 110642095 B 20210326; JP 2016016959 A 20160201

DOCDB simple family (application)
EP 15167294 A 20150512; CN 201510381921 A 20150702; CN 201911045482 A 20150702; JP 2014142088 A 20140710