

Title (en)
Yarn winding machine

Title (de)
Garnwicklungsmaschine

Title (fr)
Renvideur de fil

Publication
EP 2808283 A1 20141203 (EN)

Application
EP 14162268 A 20140328

Priority
JP 2013115859 A 20130531

Abstract (en)
A yarn supplying section (5) supplies a spun yarn (10). A winding section (26) winds the spun yarn (10) supplied by the yarn supplying section (5) into a package (50) while traversing the spun yarn (10). A yarn pooling device (22) is arranged between the yarn supplying section (5) and the winding section (26) and pools the spun yarn (10). A pooled-amount monitoring section (33) acquires a pooled amount of the spun yarn (10) in the yarn pooling device (22) as an analog amount. A unit controller (12) performs a pooled amount control to adjust an exit speed, which is a running speed of the spun yarn (10) leaving the yarn pooling device (22), such that the pooled amount converges to a target value.

IPC 8 full level
B65H 51/22 (2006.01)

CPC (source: EP)
B65H 51/22 (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• JP 2004277949 A 20041007 - MURATA MACHINERY LTD
• JP 2010077576 A 20100408 - MURATA MACHINERY LTD
• JP 2012197135 A 20121018 - MURATA MACHINERY LTD

Citation (search report)
• [XA] EP 1460015 A1 20040922 - MURATA MACHINERY LTD [JP]
• [X] EP 0004781 A1 19791017 - DU PONT CANADA [CA]
• [X] US 4553709 A 19851119 - BOCK ERICH [DE], et al
• [A] EP 1457447 A2 20040915 - MURATA MACHINERY LTD [JP]

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CN109811432A; EP3438333A1

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 2808283 A1 20141203; EP 2808283 B1 20160518; CN 104210894 A 20141217; IN 1255CH2014 A 20150529; JP 2014234256 A 20141215

DOCDB simple family (application)
EP 14162268 A 20140328; CN 201410203058 A 20140514; IN 1255CH2014 A 20140311; JP 2013115859 A 20130531