

Title (en)  
Yarn winding machine

Title (de)  
Garnwicklungsmaschine

Title (fr)  
Renvideur de fil

Publication  
**EP 2805907 A1 20141126 (EN)**

Application  
**EP 14162429 A 20140328**

Priority  
JP 2013107188 A 20130521

Abstract (en)  
A yarn winding machine (1) includes a plurality of winding units (2) and a control section (30). Each of the plurality of winding units (2) winds a package (45). The control section (30) controls the plurality of the winding units (2). The control section performs a control to calculate a winding-end expected time of the package in each of the winding units. The control section performs a control to store a produced quantity indicating a quantity of the package of which winding has been completed, and when a difference between the produced quantity and an expected production quantity is equal to or less than a predetermined value, to determine whether or not to supply a new bobbin (48) to the winding units in accordance with the winding-end expected time.

IPC 8 full level  
**B65H 54/26** (2006.01); **B65H 63/00** (2006.01); **B65H 63/08** (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP)  
**B65H 54/26** (2013.01); **B65H 63/00** (2013.01); **B65H 63/08** (2013.01); **B65H 67/04** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)  
• JP H08109527 A 19960430 - NISSHIN SPINNING  
• JP S6392577 A 19880423 - MURATA MACHINERY LTD  
• JP 2011162351 A 20110825 - MURATA MACHINERY LTD

Citation (search report)  
• [AD] JP S6392577 A 19880423 - MURATA MACHINERY LTD  
• [A] US 5947405 A 19990907 - OLISCHLAEGER KONRAD [DE]  
• [A] US 5398878 A 19950321 - MOEHRKE DIETER [DE]  
• [A] US 4856723 A 19890815 - TONE SHOICHI [JP]

Cited by  
EP3239084A1; DE102016107994A1; EP3653553A1

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 2805907 A1 20141126**; **EP 2805907 B1 20160518**; CN 104176558 A 20141203; CN 104176558 B 20180206; JP 2014227249 A 20141208

DOCDB simple family (application)  
**EP 14162429 A 20140328**; CN 201410201133 A 20140513; JP 2013107188 A 20130521