

Title (en)
Yarn winding device

Title (de)
Garnwicklungsvorrichtung

Title (fr)
Dispositif de renvidage de fil

Publication
EP 2530040 A2 20121205 (EN)

Application
EP 12159034 A 20120312

Priority
JP 2011123692 A 20110601

Abstract (en)
In a yarn winding device, a package drive motor (41) directly rotates a package (30). A package-diameter obtaining section (52) obtains a current package diameter of the package (30). A deceleration-condition storage section (51) stores therein a plurality of deceleration conditions, each of which is associated with a hypothetical package diameter and used in controlling the package drive motor (41) to decelerate the package (30) to a stop. A unit control section (50) controls the package drive motor (41) to decelerate the package (30) to a stop according to the current package diameter and a deceleration condition associated with a hypothetical package diameter corresponding to the current package diameter.

IPC 8 full level
B65H 54/44 (2006.01); **B65H 63/036** (2006.01); **B65H 63/08** (2006.01)

CPC (source: EP)
B65H 54/44 (2013.01); **B65H 63/036** (2013.01); **B65H 63/082** (2013.01); **B65H 2513/11** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• JP 2007238275 A 20070920 - MURATA MACHINERY LTD
• JP S62215476 A 19870922 - TEIJIN SEIKI CO LTD
• JP S62215476 A 19870922 - TEIJIN SEIKI CO LTD

Cited by
EP4122855A1; DE102020119846A1

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 2530040 A2 20121205; **EP 2530040 A3 20160427**; **EP 2530040 B1 20170906**; CN 102807132 A 20121205; CN 102807132 B 20160803; JP 2012250796 A 20121220

DOCDB simple family (application)
EP 12159034 A 20120312; CN 201210075743 A 20120321; JP 2011123692 A 20110601