

Title (en)
Yarn Winding Device

Title (de)
Garnwicklungsvorrichtung

Title (fr)
Dispositif de renvideur de fil

Publication
EP 2345613 A2 20110720 (EN)

Application
EP 10195309 A 20101216

Priority
JP 2010007620 A 20100117

Abstract (en)
A yarn end catching device 70 of a yarn winding device 100 includes a suction arm 8 that swings by catching a yarn end of a yarn Y wound into a package P through a suction mouth 8a formed at a leading end the suction arm 8 so that the yarn Y is pulled out from the package P by moving the suction mouth 8a closer to or away from the package P, a negative-pressure device 31 that generates negative pressure for sucking the yarn end of the yarn Y wound into the package P through the suction mouth 8a, and a suction force fluctuation mechanism 60 that controls suction force of the suction mouth 8a to fluctuate. The suction force fluctuation mechanism 60 controls suction force acting on the surface of the package P through the suction mouth 8a to fluctuate.

IPC 8 full level
B65H 67/08 (2006.01)

CPC (source: EP)
B65H 67/085 (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• JP 2009046268 A 20090305 - MURATA MACHINERY LTD
• JP H10167577 A 19980623 - SCHLAFHORST & CO W

Cited by
CN103848285A; CN114436040A; EP4339146A1

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 2345613 A2 20110720; EP 2345613 A3 20120425; CN 102126648 A 20110720; JP 2011144029 A 20110728

DOCDB simple family (application)
EP 10195309 A 20101216; CN 201110020090 A 20110113; JP 2010007620 A 20100117