

Title (en)
Yarn winding device and yarn winding method

Title (de)
Garnwickelvorrichtung und Garnwickelverfahren

Title (fr)
Dispositif et procédé de bobinage de fil

Publication
EP 2671983 A2 20131211 (EN)

Application
EP 13166618 A 20130506

Priority
JP 2012126863 A 20120604

Abstract (en)
A winding unit (2) of an automatic winder includes a yarn supplying section (11) adapted to hold a yarn supplying bobbin (8), and a winding section (13) adapted to wind a yarn (Y) unwound from the yarn supplying bobbin (8) to form a package (P) . A winding range in which the yarn (Y) is wound in the yarn supplying bobbin (8) is divided into seven individual setting ranges, and a package winding speed is set for each of the seven individual setting ranges.

IPC 8 full level
D01H 13/14 (2006.01); **B65H 49/02** (2006.01); **B65H 59/38** (2006.01); **B65H 63/00** (2006.01)

CPC (source: CN EP)
B65H 49/02 (2013.01 - EP); **B65H 59/385** (2013.01 - CN EP); **B65H 63/00** (2013.01 - CN EP); **D01H 13/14** (2013.01 - EP);
B65H 2701/31 (2013.01 - CN EP)

Citation (applicant)
JP 3564817 B2 20040915

Cited by
DE102016121667A1; EP3260584A1; EP4321464A1; US10519574B2; US11280029B2; EP3305701B1

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 2671983 A2 20131211; **EP 2671983 A3 20150325**; **EP 2671983 B1 20170705**; CN 103449257 A 20131218; CN 103449257 B 20170908;
CN 106927307 A 20170707; CN 106927307 B 20190409; EP 2957664 A1 20151223; EP 2957664 B1 20170705; JP 2013249189 A 20131212

DOCDB simple family (application)
EP 13166618 A 20130506; CN 201310143049 A 20130423; CN 201611138701 A 20130423; EP 15175646 A 20130506;
JP 2012126863 A 20120604