Title (en)

Yarn winding apparatus and yarn withdrawal method

Title (de)

Garnwickelvorrichtung und Garnentnahmeverfahren

Title (fr)

Appareil d'enroulement de fil et procédé de retrait de fil

Publication

EP 2511216 B1 20141217 (EN)

Application

EP 12153023 A 20120130

Priority

JP 2011089017 A 20110413

Abstract (en)

[origin: EP2511216A2] A winder unit 10 includes a cradle 23, a contact roller 29, an upper-yarn suction opening 35, a drive mechanism 60, and a unit controller 50. The cradle 23 holds a package 30, and the contact roller 29 comes into contact with a surface of the package 30. The upper-yarn suction opening 35 performs a sucking and catching operation to catch a yarn end 30a trailing from the package 30. The drive mechanism 60 moves the cradle 23 such that the package 30 is held at a non-contact position Q1 where the package 30 is separated from the contact roller 29 and at a contact position Q2 where the package 30 comes into contact with the contact roller 29. The unit controller 50 controls the drive mechanism 60 and the upper-yarn suction opening 35 such that the upper-yarn suction opening 35 performs the sucking and catching operation when the package 30 is held at each of the non-contact position Q1 and the contact position Q2.

IPC 8 full level

B65H 67/08 (2006.01)

CPC (source: EP)

B65H 67/085 (2013.01); B65H 2701/31 (2013.01)

Cited by

EP2738129A3; CN105645178A; EP4339146A1; EP2960196B1

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EP 2511216 A2 20121017; **EP 2511216 A3 20131106**; **EP 2511216 B1 20141217**; **EP 2511216 B2 20220921**; CN 102730482 A 20121017; CN 109250585 A 20190122; JP 2012218922 A 20121112

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EP 12153023 A 20120130; CN 201210029623 A 20120208; CN 201811081718 A 20120208; JP 2011089017 A 20110413