

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  
CN105645178A; EP2738129A3; EP4339146A1; EP2960196B1

Designated contracting state (EPC)  
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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