

Title (en)  
Yarn winding machine and yarn winding method

Title (de)  
Maschine und Verfahren zum Aufspulen von Garnen

Title (fr)  
Machine et procédé pour bobiner du fil textile

Publication  
**EP 1256540 A2 20021113 (EN)**

Application  
**EP 02007669 A 20020404**

Priority  
• JP 2001140924 A 20010511  
• JP 2002029438 A 20020206

Abstract (en)  
Conventionally, in a yarn winding machine having a yarn feed roller wherein a contact roller is capable of being displaced relative to a roller supporting member, no consideration was made to the space between the yarn feed roller and the package formed leading to the problem that the winding form of the package was unsatisfactory. The yarn winding machine comprises a contact roller (18) which rotates by contacting to the peripheral surface of the package (3), a yarn feed roller (26) which is provided to the upstream side of the contact roller (18) with a space (c) from the peripheral surface of the package (3), and rotates while contacting the yarn (Y) to the peripheral surface to supply the yarn (Y) to the package (3), a roller supporting member (1) for supporting the contact roller (18) and the yarn feed roller (26), and a roller supporting member position adjusting means for adjusting the position of the roller supporting member (1) in the direction the space (c) changes. In the yarn winding machine, contact roller (18) is supported capable of being displaced relative to the roller supporting member (1) in the direction the space (c) changes. The contact roller (18) is supported capable of being displaced relative to the roller supporting member (1), and a control means (30) is provided for controlling the roller supporting member position adjusting means so that the space (c) is to be constant irrespective of the package diameter (Fig. 2). <IMAGE>

IPC 1-7  
**B65H 54/42**; **B65H 54/38**; **B65H 54/52**

IPC 8 full level  
**B65H 54/36** (2006.01); **B65H 54/38** (2006.01); **B65H 54/42** (2006.01); **B65H 54/52** (2006.01)

CPC (source: EP)  
**B65H 54/36** (2013.01); **B65H 54/385** (2013.01); **B65H 54/42** (2013.01); **B65H 54/52** (2013.01); **B65H 2511/14** (2013.01); **B65H 2511/22** (2013.01); **B65H 2701/319** (2013.01)

Cited by  
EP2221265A3; DE102012023975A1; EP2740699A3; EP2221265A2; DE102012023975B4

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1256540 A2 20021113**; **EP 1256540 A3 20030716**; CN 1301892 C 20070228; CN 1385351 A 20021218

DOCDB simple family (application)  
**EP 02007669 A 20020404**; CN 02119947 A 20020513