

Title (en)  
Yarn winding machine

Title (de)  
Garnwicklungsmaschine

Title (fr)  
Machine de bobinage de fil

Publication  
**EP 2366649 A3 20120418 (EN)**

Application  
**EP 11156725 A 20110303**

Priority  
JP 2010060890 A 20100317

Abstract (en)  
[origin: EP2366649A2] An automatic winder includes a cradle, a contact roller (29) and a traverse device. The cradle rotatably supports a winding bobbin (22) around which a yarn is wound into a package (30). The contact roller (29) rotates while making contact with the package (30). The traverse device is provided independently from the contact roller (29), and traverses the yarn with respect to a surface of the package (30). The contact roller 29 is formed as a taper shape. A larger and smaller diameter ratio ( $d_2/d_1$ ) of the contact roller (29) is smaller than a larger and smaller diameter ratio ( $D_2/D_1$ ) of the winding bobbin (22).

IPC 8 full level  
**B65H 54/10** (2006.01); **B65H 54/28** (2006.01); **B65H 54/42** (2006.01); **B65H 54/44** (2006.01); **B65H 54/46** (2006.01)

CPC (source: EP)  
**B65H 54/103** (2013.01); **B65H 54/2827** (2013.01); **B65H 54/42** (2013.01); **B65H 54/44** (2013.01); **B65H 54/46** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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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)  
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DOCDB simple family (publication)  
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