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 54/46 (2006.01); **B65H 54/10** (2006.01); **B65H 54/28** (2006.01); **B65H 54/42** (2006.01); **B65H 54/44** (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)

- [Y] GB 742416 A 19551230 - SCHWEITER AG MASCHF
- [Y] EP 0950631 A1 19991020 - VOLKMANN GMBH & CO [DE]
- [Y] DE 19858548 A1 20000621 - SCHLAFHORST & CO W [DE]
- [A] DE 102008015907 A1 20091001 - OERLIKON TEXTILE GMBH & CO KG [DE]
- [A] DE 4330647 A1 19950316 - SCHLAFHORST & CO W [DE]
- [A] DE 562971 C 19321101 - BARMAG BARMER MASCHF
- [A] US 2171758 A 19390905 - CO HAMPDEN NATIONAL BANK TRUST
- [A] DE 515369 C 19301231 - BARMAG BARMER MASCHF

Cited by

CN114277469A

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 2366649 A2 20110921; **EP 2366649 A3 20120418**; CN 102190209 A 20110921; CN 201961898 U 20110907; JP 2011195216 A 20111006

DOCDB simple family (application)

EP 11156725 A 20110303; CN 201110054863 A 20110307; CN 201120058718 U 20110307; JP 2010060890 A 20100317