

Title (en)
YARN WINDING MACHINE

Title (de)
GARNWICKLUNGSMASCHINE

Title (fr)
MACHINE DE RENVIDEUR DE FIL

Publication
EP 2960196 B1 20160817 (EN)

Application
EP 15169260 A 20150526

Priority
JP 2014132544 A 20140627

Abstract (en)
[origin: EP2960196A1] A winding unit (10) includes a cradle (23) adapted to hold a package (30), a contact roller (29) adapted to make contact with a surface of the package (30), an air cylinder (60) adapted to move the package (30) between a contacting position in which the package (30) makes contact with the contact roller (29) and a non-contacting position in which the package (30) is separated from the contact roller (29), and a package driving motor (41) adapted to rotatably drive the package (30). The package driving motor (41) carries out a forward rotation of rotating the package (30) in a winding direction for a set period \pm in a lift-up state in which the package (30) having a yarn end is separated from the contact roller (29) by the air cylinder (60).

IPC 8 full level
B65H 67/08 (2006.01)

CPC (source: EP)
B65H 67/085 (2013.01); **B65H 2701/31** (2013.01)

Citation (opposition)
Opponent : Saurer Germany GmbH & Co. KG
• EP 2738128 A2 20140604 - MURATA MACHINERY LTD [JP]
• DE 4418743 A1 19951130 - RIETER INGOLSTADT SPINNEREI [DE]
• EP 2511216 A2 20121017 - MURATA MACHINERY LTD [JP]
• DE 4222377 A1 19940113 - SCHLAFHORST & CO W [DE]
• DE 4032617 A1 19920416 - SCHLAFHORST & CO W [DE]

Cited by
EP3385205A1; CN108689244A; EP3808690A1; CN112660914A

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

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