

Title (en)
YARN WINDING APPARATUS

Title (de)
GARNWICKELVORRICHTUNG

Title (fr)
APPAREIL DE BOBINAGE DE FIL

Publication
EP 4353643 A1 20240417 (EN)

Application
EP 23202014 A 20231006

Priority
JP 2022162566 A 20221007

Abstract (en)
A winder unit 2 includes a yarn feeding unit 6 configured to feed yarn Y, a yarn storage device 40 configured to store the yarn Y, a package forming unit 8 configured to wind the yarn Y to form a package 30, a yarn splicing device 14 configured to splice the yarn Y on the yarn feeding unit 6 side and the yarn Y on the yarn storage device 40 side, and a yarn guide unit 7 configured to guide the yarn Y between the yarn storage device 40 and the yarn splicing device 14. The yarn guide unit 7 includes a yarn ejection unit 60 configured to pull out the yarn Y and eject the same to the yarn feeding unit 6 side, a catching device 13 configured to catch the yarn Y ejected by the yarn ejection unit 60, a yarn guide pipe 80 configured to guide the yarn Y ejected from the yarn ejection unit 60 to the catching device 13, and a restriction lever 95 configured to restrict the yarn Y pulled out from the yarn guide pipe 80 from being guided to the yarn winding position. The winder unit 2 appropriately guides the yarn Y to the yarn winding position.

IPC 8 full level
B65H 51/22 (2006.01); **B65H 67/08** (2006.01); **B65H 69/00** (2006.01)

CPC (source: CN EP)
B65H 49/324 (2013.01 - CN); **B65H 51/22** (2013.01 - EP); **B65H 54/28** (2013.01 - CN); **B65H 54/70** (2013.01 - CN); **B65H 57/06** (2013.01 - CN); **B65H 57/12** (2013.01 - CN); **B65H 67/0411** (2013.01 - CN); **B65H 67/0417** (2013.01 - CN); **B65H 67/081** (2013.01 - EP); **B65H 69/00** (2013.01 - EP); **B65H 71/00** (2013.01 - CN); **B65H 2701/174** (2013.01 - CN); **B65H 2701/31** (2013.01 - CN EP)

Citation (applicant)
JP 2016050053 A 20160411 - MURATA MACHINERY LTD

Citation (search report)
• [YDA] JP 2016050053 A 20160411 - MURATA MACHINERY LTD
• [Y] CH 467209 A 19690115 - SCHWEITER AG MASCHF [CH]
• [A] EP 2594516 A1 20130522 - MURATA MACHINERY LTD [JP]
• [A] JP 2001139231 A 20010522 - MURATA MACHINERY LTD
• [A] EP 1985565 A1 20081029 - LOEPFE AG GEB [CH]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

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