

Title (en)
YARN WINDING DEVICE

Title (de)
GARNWICKLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE BOBINAGE DE FIL

Publication
EP 2962973 A1 20160106 (EN)

Application
EP 15169247 A 20150526

Priority
JP 2014136419 A 20140702

Abstract (en)
A yarn winding device includes a yarn storage roller (51), a tension measuring device, a yarn hooking arm (53), an arm driving section (55), and a control section (60). The yarn storage roller (51) stores a yarn on a surface by being rotatably driven by a roller driving section (52). The tension measuring device measures tension of the yarn pulled out from the yarn storage roller (51). The yarn hooking arm (53) is arranged downstream in a yarn travelling direction of the yarn storage roller (51), and makes contact with the yarn to apply tension to the yarn. The arm driving section (55) rotatably drives the yarn hooking arm (53). The control section (60) feedback controls the arm driving section (55) based on a measurement result of the tension measuring device to adjust an amount of tension applied by the yarn hooking arm (53).

IPC 8 full level
B65H 51/22 (2006.01); **B65H 59/38** (2006.01); **D01H 13/10** (2006.01)

CPC (source: EP)
B65H 51/22 (2013.01); **B65H 59/384** (2013.01); **D01H 13/104** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
JP 2014020000 A 20140203 - RIETER CZ SRO

Citation (search report)
• [YDA] JP 2014020000 A 20140203 - RIETER CZ SRO & EP 2684827 A2 20140115 - RIETER CZ SRO [CZ]
• [Y] EP 1916213 A1 20080430 - MURATA MACHINERY LTD [JP]
• [Y] EP 2687468 A1 20140122 - MURATA MACHINERY LTD [JP]
• [A] EP 1457447 A2 20040915 - MURATA MACHINERY LTD [JP]
• [A] EP 2028149 A2 20090225 - MURATA MACHINERY LTD [JP]

Cited by
CN108425174A

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

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EP 2962973 A1 20160106; **EP 2962973 B1 20170705**; CN 105270922 A 20160127; CN 105270922 B 20190607; JP 2016013892 A 20160128

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EP 15169247 A 20150526; CN 201510337479 A 20150617; JP 2014136419 A 20140702