

Title (en)
THREAD WINDING DEVICE

Title (de)
VORRICHTUNG ZUM AUFSPULEN EINES FADENS

Title (fr)
DISPOSITIF D'ENROULEMENT DE FIL

Publication
EP 2684826 A4 20140730 (EN)

Application
EP 12757986 A 20120308

Priority
• JP 2011054281 A 20110311
• JP 2012055929 W 20120308

Abstract (en)
[origin: EP2684826A1] Provided is a yarn winding device that can prevent the occurrence of sluffing. A winding unit (10), while eliminating the threading defects of a yarn feeding bobbin (B1) around which is wound a yarn (Y) that is spun by a fine spinning machine, winds a package (P). The winding unit (10) comprises a yarn accumulating device (100) which winds the yarn (Y) from the yarn feeding bobbin (B1) and accumulates the wound yarn. The yarn accumulating device (100) comprises the following: a yarn accumulating part (130) which accumulates the yarn (Y); and a winding part (140) which, while rotating, winds the yarn (Y) around the yarn accumulating part (130). The yarn accumulating part (130) comprises the following: a yarn accumulating body (belt outer side) (132F) around which the yarn (Y) is wound; and a drive pulley (134) which maintains an equidistant space between yarns (Y) to be wound and supplies the yarn (Y) that is wound around the belt outer side (132F) from a winding side (130R) to an unwinding side (130F).

IPC 8 full level
B65H 51/20 (2006.01); **B65H 51/22** (2006.01); **B65H 67/08** (2006.01)

CPC (source: EP)
B65H 51/20 (2013.01); **B65H 51/22** (2013.01); **B65H 67/081** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)
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• [YD] JP 2009242042 A 20091022 - MURATA MACHINERY LTD & EP 2107025 A2 20091007 - MURATA MACHINERY LTD [JP]
• [Y] DE 2553892 A1 19770602 - SKF KUGELLAGERFABRIKEN GMBH
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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

DOCDB simple family (publication)
EP 2684826 A1 20140115; EP 2684826 A4 20140730; EP 2684826 A9 20140416; CN 103429515 A 20131204; CN 103429515 B 20160413; JP 2012188255 A 20121004; WO 2012124588 A1 20120920

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