Title (en)

Winding unit, automatic winder and aligning method of yarn supplying bobbin

Title (de)

Wickeleinheit, automatischer Wickler und Ausrichtungsverfahren einer Garnzuführungsspule

Title (fr)

Unité d'enroulement, enrouleur automatique et procédé d'alignement de bobine d'alimentation de fil

Publication

EP 2502863 A3 20121114 (EN)

Application

EP 12155796 A 20120216

Priority

JP 2011062595 A 20110322

Abstract (en)

[origin: EP2502863A2] A winder unit (winding unit (4)) includes a bobbin holder (110) holding the yarn supplying bobbin (21), a length information acquiring section acquiring length information, which is information related to an axial length of the yarn supplying bobbin, a position detecting section (74) capable of detecting the position of the yarn supplying bobbin held by the bobbin holder, a storage section (52) storing information of an unwinding standard position and information of a position where the position detecting section is arranged, and a unit control section (50). The unit control section carries out control of moving the position detecting section so that the position detecting section can detect the yarn supplying bobbin held by the bobbin holder based on the length information, and control of moving the yarn supplying bobbin to align the yarn supplying bobbin with the unwinding standard position based on the length information and a storage content of the storage section.

IPC 8 full level

B65H 49/06 (2006.01); **B65H 57/18** (2006.01); **B65H 67/02** (2006.01)

CPC (source: EP)

B65H 49/06 (2013.01); **B65H 57/18** (2013.01); **B65H 67/02** (2013.01); B65H 2701/31 (2013.01)

Citation (search report)

[A] EP 2014596 A2 20090114 - MURATA MACHINERY LTD [JP]

Cited by

DE102014014998A1; CN109179079A; CN106939453A; CN115058846A

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 2502863 A2 20120926; **EP 2502863 A3 20121114**; **EP 2502863 B1 20140402**; CN 102689818 A 20120926; CN 102689818 B 20161214; IN 564DE2012 A 20150605; JP 2012197147 A 20121018

DOCDB simple family (application)

EP 12155796 A 20120216; CN 201210027028 A 20120208; IN 564DE2012 A 20120229; JP 2011062595 A 20110322