

Title (en)  
Yarn winding apparatus

Title (de)  
Garnwicklungsvorrichtung

Title (fr)  
Appareil renvideur de fil

Publication  
**EP 2441718 A3 20160120 (EN)**

Application  
**EP 11181446 A 20110915**

Priority  
JP 2010233735 A 20101018

Abstract (en)  
[origin: EP2441718A2] A bobbin installation device (60) includes a bobbin gripping section (52) and a path adjusting plate (59). A pivot arm (58) is attached to a rocker shaft (111) and swings by pivoting about the rocker shaft (111). The bobbin gripping section (52) grips a bobbin, onto which a yarn is to be wound, and supplies the bobbin in between a pair of bobbin holders (72) that define a target position of the bobbin. The path adjusting plate (59) can adjust a path (bobbin supplying path) along which the bobbin is supplied by the bobbin gripping section (52) to the target position.  
Most Illustrative Drawing: FIG. 4

IPC 8 full level  
**B65H 54/26** (2006.01); **B65H 54/88** (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP)  
**B65H 54/26** (2013.01); **B65H 54/88** (2013.01); **B65H 67/0417** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [X1] GB 2179066 A 19870225 - RIETER AG MASCHF
- [X1] US 5396758 A 19950314 - SPINDLER ZDENEK [CS], et al
- [XD1] EP 1561717 A1 20050810 - MURATA MACHINERY LTD [JP]
- [XD1] JP H09100066 A 19970415 - MURATA MACHINERY LTD

Cited by  
EP2905249A1

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 2441718 A2 20120418; EP 2441718 A3 20160120; EP 2441718 B1 20180523**; CN 102453987 A 20120516; CN 102453987 B 20160907; CN 202482536 U 20121010; JP 2012086924 A 20120510

DOCDB simple family (application)  
**EP 11181446 A 20110915**; CN 201110319880 A 20111014; CN 201120399064 U 20111014; JP 2010233735 A 20101018