

Title (en)
Bobbin installation device and yarn winding apparatus including the same

Title (de)
Spulenladevorrichtung und Garnwickelmaschine damit

Title (fr)
Dispositif d'installation de bobine et appareil d'enroulement de fils l'incluant

Publication
EP 2441719 A3 20120620 (EN)

Application
EP 11185087 A 20111013

Priority
JP 2010233737 A 20101018

Abstract (en)
[origin: EP2441719A2] A bobbin installation device (60) includes a bobbin supplying section (50) and a suction pipe (88). The bobbin supplying section (50) supplies a bobbin (48), onto which a spun yarn (10) is to be wound, to bobbin holders (72) (specifically, a position between two bobbin holders (72)) that defines a target position. The suction pipe (88) holds and guides the spun yarn (10) to be wound on the bobbin (48) supplied by the bobbin supplying section (50). The bobbin (48) and the spun yarn (10) are supplied to the bobbin holders (72) by moving the bobbin supplying section (50) and the suction pipe (88) while the spun yarn (10) is held at the end of the bobbin (48) in a shaft direction by the suction pipe (88).

IPC 8 full level
B65H 54/26 (2006.01); **B65H 54/88** (2006.01); **B65H 65/00** (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP)
B65H 54/26 (2013.01); **B65H 54/88** (2013.01); **B65H 65/00** (2013.01); **B65H 67/0417** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [AD] EP 1561717 A1 20050810 - MURATA MACHINERY LTD [JP]
- [A] GB 2179066 A 19870225 - RIETER AG MASCHF
- [A] US 5490375 A 19960213 - SPINDLER ZDENEK [CS], et al
- [A] US 5022222 A 19910611 - RUPERT KARL [DE], et al

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 2441719 A2 20120418; **EP 2441719 A3 20120620**; **EP 2441719 B1 20160525**; CN 102452579 A 20120516; CN 105173888 A 20151223; CN 105173888 B 20180508; CN 202464919 U 20121003; JP 2012086925 A 20120510

DOCDB simple family (application)
EP 11185087 A 20111013; CN 201110319908 A 20111014; CN 201120399061 U 20111014; CN 201510547625 A 20111014; JP 2010233737 A 20101018