

Title (en)
YARN SUPPLYING BOBBIN CONVEYING DEVICE

Title (de)
GARNZUFÜHRUNGSSPULENFÖRDERVORRICHTUNG

Title (fr)
DISPOSITIF DE TRANSPORT DE BOBINE D'ALIMENTATION EN FIL

Publication
EP 4306467 A1 20240117 (EN)

Application
EP 23183361 A 20230704

Priority
JP 2022114174 A 20220715

Abstract (en)
Unintended sticking of a tray (T) due to a yarn (Y) that has fallen on a belt member (53) is prevented while the complexity of controlling a drive source (54) of the belt member (53) is avoided. A yarn supplying bobbin (Bs) conveying device (8) includes a flat belt (53) on which a tray (T) is placed, a plurality of belt feeding rollers (51, 52) around which a flat belt (53) is wound, and a motor (54) that rotationally drives at least one of the plurality of belt feeding rollers (51, 52). The flat belt (53) includes a plurality of protrusions (72) that support the tray (T) from below to apply to the tray (T) a frictional force for conveying the tray (T), and a base surface (73) disposed between the plurality of protrusions (72) in a width direction orthogonal to a conveying direction and a vertical direction, and below the protrusions (72) in the vertical direction.

IPC 8 full level
B65H 67/06 (2006.01)

CPC (source: CN EP)
B65H 67/06 (2013.01 - CN EP); **B65H 2701/31** (2013.01 - CN EP)

Citation (applicant)
JP 3059240 B2 20000704

Citation (search report)
• [XAI] JP H0338866 U 19910415
• [X] JP 2008214064 A 20080918 - MURATA MACHINERY LTD
• [X] JP H0434273 U 19920323
• [X] US 5335776 A 19940809 - BACKHAUS JUERGEN [DE]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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