

Title (en)
YARN JOINING DEVICE AND YARN WINDING DEVICE

Title (de)
GARNVERBINDUNGSVORRICHTUNG UND GARNAUFWICKLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASSEMBLAGE DE FIL ET DISPOSITIF DE BOBINAGE DE FIL

Publication
EP 3636572 B1 20220223 (EN)

Application
EP 19200720 A 20191001

Priority
JP 2018192286 A 20181011

Abstract (en)
[origin: EP3636572A1] In a yarn joining device (21) configured such that when a yarn (Y1) introduced into a yarn joining space (31a) of a yarn joining member (31) and clamped by a clamp (44) is cut by a cutter (41), the yarn end is sucked from a suction port (32a) of an untwisting pipe (32), a guide member (45) formed with a contacting surface (45a) that bends the yarn (Y1) by coming into contact with the yarn (Y1) between the cutter (41) and the yarn joining member (31) is provided between the cutter (41) and the untwisting pipe (32) in the vertical direction. When viewed from a front-back direction in which the untwisting pipe (32) is opened, at least a part of the contacting surface (45a) is located on an outer side of the suction port (32a) in a left-right direction.

IPC 8 full level
B65H 69/06 (2006.01)

CPC (source: CN EP)
B65H 54/10 (2013.01 - CN); **B65H 54/28** (2013.01 - CN); **B65H 54/30** (2013.01 - CN); **B65H 54/52** (2013.01 - CN); **B65H 54/70** (2013.01 - CN); **B65H 67/08** (2013.01 - CN); **B65H 69/061** (2013.01 - EP); **B65H 2701/31** (2013.01 - CN); **B65H 2701/319** (2013.01 - EP)

Citation (examination)
DE 102016204524 A1 20160922 - MURATA MACHINERY LTD [JP]

Cited by
CN111573424A

Designated contracting state (EPC)
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