

Title (en)

Apparatus for joining a yarn, and yarn winding machine and unit including same

Title (de)

Vorrichtung zur Verbindung eines Garns und Garnwickelmaschine und Einheit damit

Title (fr)

Appareil permettant de relier un fil et machine de renvideur de fil et unité l'incluant

Publication

EP 2573232 A3 20161221 (EN)

Application

EP 12179420 A 20120806

Priority

JP 2011206508 A 20110921

Abstract (en)

[origin: EP2573232A2] A yarn joining device (43) is adapted to perform a yarn joining operation to join a spun yarn (10) between a spinning device and a package. A yarn-path regulating member (yarn guiding levers 96 and yarn controlling levers 98) is adapted to move between a position of making contact with the spun yarn (10) to bend the spun yarn (10) and a position of releasing the spun yarn (10). A control section is adapted to control the yarn-path regulating member to make contact with the spun yarn (10) to bend the spun yarn (10) during the yarn joining operation, and to maintain bending of the spun yarn (10) after completion of the yarn joining operation and until at least winding of the spun yarn (10) by the winding device is started.

IPC 8 full level

B65H 67/08 (2006.01); **D01H 9/00** (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 63/062** (2013.01); **B65H 69/061** (2013.01); **D01H 9/00** (2013.01); **D01H 15/00** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [XY] US 4263775 A 19810428 - MIMA HIROSI
- [YD] EP 2169096 A1 20100331 - MURATA MACHINERY LTD [JP]
- [A] US 4877194 A 19891031 - MATSUI ISAMU [JP], et al

Cited by

EP3378979A1; IT202100020750A1; WO2020254416A1

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 2573232 A2 20130327; EP 2573232 A3 20161221; CN 103010849 A 20130403; CN 103010849 B 20160928; JP 2013067475 A 20130418

DOCDB simple family (application)

EP 12179420 A 20120806; CN 201210284384 A 20120808; JP 2011206508 A 20110921