

Title (en)

Yarn splicing device and yarn winding machine

Title (de)

Garnspleißvorrichtung und Garnwickelmaschine

Title (fr)

Dispositif d'épissage de fil et machine d'enroulement de fils

Publication

EP 2450302 A3 20130814 (EN)

Application

EP 11186752 A 20111026

Priority

JP 2010247538 A 20101104

Abstract (en)

[origin: EP2450302A2] A yarn splicing device (14) includes an untwisting pipe (82) for acting airflow on a yarn end to untwist the yarn end; and a dedicated dust collector (80) for collecting yarn wastes generated by the untwisting. The dust collector (80) includes a dust collecting chamber (42) for temporarily accommodating the collected yarn wastes. The dust collecting chamber (42) is formed with a yarn waste introducing port (42a) opened towards the untwisting pipe (82), a yarn waste discharge opening (47) for sucking and discharging the yarn wastes in the dust collecting chamber (42) to outside, and an air vent filter (45) arranged at a position facing the yarn waste discharge opening (47).

IPC 8 full level

B65H 54/70 (2006.01); **B65H 69/06** (2006.01)

CPC (source: EP)

B65H 54/702 (2013.01); **B65H 69/063** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [YA] JP 2009190853 A 20090827 - MURATA MACHINERY LTD & EP 2390216 A1 20111130 - MURATA MACHINERY LTD [JP]
- [Y] EP 1057909 A1 20001206 - LUWA AG ZELLWEGER [CH]
- [Y] DE 20113935 U1 20011108 - CHIH WANG BAN [TW]
- [A] GB 106918 A 19170614 - THOMAS ROBINSON & SON LTD, et al

Cited by

DE102014016197A1; CN112125063A; DE102017124729A1; CN112125062A

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 2450302 A2 20120509; EP 2450302 A3 20130814; CN 102556768 A 20120711; CN 202449677 U 20120926; JP 2012096909 A 20120524

DOCDB simple family (application)

EP 11186752 A 20111026; CN 201110322798 A 20111021; CN 201120405877 U 20111021; JP 2010247538 A 20101104