

Title (en)

Yarn catching device and yarn winding machine

Title (de)

Garnaufnahmevorrichtung und Garnwickelmaschine

Title (fr)

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

Publication

EP 2905248 A1 20150812 (EN)

Application

EP 15153037 A 20150129

Priority

JP 2014023065 A 20140210

Abstract (en)

A yarn joining cart (3) includes a suction pipe (44) adapted to suck a spun yarn (10), and a reflective sensor (100) adapted to detect the spun yarn (10) passing through the suction pipe (44). A reflecting section (120) adapted to reflect light emitted from the reflective sensor (100) in a direction different from the reflective sensor (100) is arranged at a portion facing the reflective sensor (100) with a path of the spun yarn (10) in the suction pipe (44) therebetween.

IPC 8 full level

B65H 63/032 (2006.01); **B65H 67/08** (2006.01)

CPC (source: EP)

B65H 63/0324 (2013.01); **B65H 67/085** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

JP H0931769 A 19970204 - TOYODA AUTOMATIC LOOM WORKS

Citation (search report)

- [A] JP H05246626 A 19930924 - MURATA MACHINERY LTD
- [A] EP 0846641 A1 19980610 - SCHLAFHORST & CO W [DE]
- [A] DE 4308058 A1 19940915 - SCHLAFHORST & CO W [DE]

Cited by

DE102018125327A1

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 2905248 A1 20150812; **EP 2905248 B1 20170419**; CN 104828649 A 20150812; CN 104828649 B 20190308; JP 2015148035 A 20150820

DOCDB simple family (application)

EP 15153037 A 20150129; CN 201510026788 A 20150120; JP 2014023065 A 20140210