

Title (en)

Yarn end catching device and spinning machine including the same

Title (de)

Vorrichtung zur Aufnahme des Garnendes und damit ausgerüstete Spinnmaschine

Title (fr)

Dispositif de capture d'extrémité de fil et fileuse l'incluant

Publication

EP 2213773 A1 20100804 (EN)

Application

EP 09178273 A 20091208

Priority

JP 2009018635 A 20090129

Abstract (en)

A spinning machine includes a suction pipe (44) for sucking and catching a yarn end of spun yarn 10 and for guiding the yarn end to a yarn splicing device. The suction pipe 44 includes a suction passage 62 for sucking the yarn end and a twist applying nozzle 67. The twist applying nozzle 67 injects compressed air to generate whirling airflow in the suction passage 62, and thus, the twist applying nozzle 67 can apply twists to the spun yarn 10 sucked in the suction passage 62 (Fig. 5).

IPC 8 full level

D01H 4/48 (2006.01); **B65H 67/08** (2006.01); **D01H 15/00** (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 67/081** (2013.01); **D01H 4/48** (2013.01); **D01H 15/00** (2013.01); **D01H 15/002** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [A] JP 2005232612 A 20050902 - MURATA MACHINERY LTD
- [A] JP 2007284812 A 20071101 - MURATA MACHINERY LTD
- [A] EP 1882663 A2 20080130 - MURATA MACHINERY LTD [JP]
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EP2910507A1; CN103010849A; EP2749517A1; CN103898641A; EP2302115A1; EP2468932A1; CN111153284A; CN112299146A

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

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DOCDB simple family (application)

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