

Title (en)

SPECIAL YARN SPINNING APPARATUS IN SPINNING MACHINE

Title (de)

SPEZIELLE GARNSPINNVORRICHTUNG IN EINER SPINNMASCHINE

Title (fr)

APPAREIL DE FILAGE DE FIL SPÉCIAL DANS UN MÉTIER À FILER

Publication

**EP 3018239 A3 20160629 (EN)**

Application

**EP 15185845 A 20150918**

Priority

JP 2014208767 A 20141010

Abstract (en)

[origin: EP3018239A2] A special yarn spinning apparatus adapted for use in a spinning machine includes a plurality of apron draft devices that are configured to switch fiber bundles to be fed, respectively. The special yarn spinning apparatus further includes a joining device and an anti-twist device. The joining device joins a training end of the fiber bundle fed from at least one of the apron draft devices which has operated before switching the feed and a leading end of the fiber bundle fed from another of the apron draft device which has started after switching the feed. The anti-twist device holds and delivers the fiber bundle at a position downstream of the joining device to prevent propagation of twist from a twist device to the joined fiber bundles in the joining device.

IPC 8 full level

**D01H 5/26** (2006.01); **D01H 1/04** (2006.01); **D01H 5/36** (2006.01); **D02G 3/34** (2006.01); **D02G 3/36** (2006.01)

CPC (source: EP)

**D01H 5/26** (2013.01); **D01H 5/36** (2013.01)

Citation (search report)

- [XY] GB 2034364 A 19800604 - MITSUBISHI RAYON CO
- [XY] US 3176351 A 19650406 - ROLLIN KEEN WILLIAM
- [XY] US 5343689 A 19940906 - SASAKI KENJI [JP], et al
- [Y] DE 102007063263 A1 20090618 - SPINDELFABRIK SUESSEN GMBH [DE]
- [Y] EP 0799916 A2 19971008 - RIETER AG MASCHF [CH]
- [Y] DE 102006006502 A1 20070816 - KOENIG REINHARD [DE]
- [Y] US 5400476 A 19950328 - WHITE HOMER S [US]
- [A] JP 2000110035 A 20000418 - OZEKI TECHNO KK

Cited by

CH714446A1; CN109338529A

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 3018239 A2 20160511; EP 3018239 A3 20160629; EP 3018239 B1 20171213**; CN 105506793 A 20160420; CN 105506793 B 20201110; ES 2655662 T3 20180221; JP 2016079512 A 20160516; JP 6164190 B2 20170719

DOCDB simple family (application)

**EP 15185845 A 20150918**; CN 201510647505 A 20151009; ES 15185845 T 20150918; JP 2014208767 A 20141010