

Title (en)

SPINNING MACHINE, GUIDE ROD AND STRAP

Title (de)

SPINNMASCHINE, FÜHRUNGSSTANGE UND RIEMCHEN

Title (fr)

METIER A TISSER, TIGE DE RACCORDEMENT ET LANIERE

Publication

EP 3124659 A3 20170322 (DE)

Application

EP 16178032 A 20160705

Priority

DE 102015111133 A 20150709

Abstract (en)

[origin: CN106337220A] The invention discloses a spinning machine, a guide rod and a strap. The spinning machine herein includes a plurality of spinning stations which are arranged side by side. Each spinning station includes a stretching mechanism which is intended for stretching a composite fiber, a compression apparatus which is intended for compressing the stretched composite fiber following the stretching mechanism and a stator which is arranged inside a stator thread and is intended for generating a yarn. The compression apparatus includes a suction pipe which has a suction slit which is arranged inclined particularly towards the advancing direction of the composite fiber and the strap which is arranged on the suction slit and have suck-in holes. The strap is constituted to have no end parts along the circumferential direction. The strap is configured to be offset from the side surface of the stator thread. Therefore, the composite fiber eccentrically contacts the strap. The corresponding guide rod is intended for guiding at least one, and preferably a plurality of straps of the compression apparatuses of the spinning machine, wherein the guide rod for each strap has at least one guiding machine which guides the strap from the side surface. The strap has marks for identifying the advancing direction.

IPC 8 full level

D01H 5/72 (2006.01); **D01H 5/86** (2006.01)

CPC (source: CN EP)

D01H 5/26 (2013.01 - CN); **D01H 5/44** (2013.01 - CN); **D01H 5/70** (2013.01 - CN); **D01H 5/72** (2013.01 - EP); **D01H 5/86** (2013.01 - EP)

Citation (search report)

- [XY] US 2001003324 A1 20010614 - BLANKENHORN PETER [DE]
- [XY] JP 2003147627 A 20030521 - RIETER AG MASCHF
- [XY] DE 19837181 A1 20000224 - STAHLCKER FRITZ [DE], et al
- [XY] US 6108873 A 20000829 - BARAUKE NORBERT [DE]
- [XY] WO 0233155 A2 20020425 - RIETER AG MASCHF [CH]
- [YDA] DE 102013112941 A1 20150430 - RIETER AG MASCHF [CH]
- [YA] EP 2881500 A1 20150610 - RIETER AG MASCHF [CH]
- [Y] WO 2014032927 A1 20140306 - RIETER AG MASCHF [CH]
- [Y] WO 2015019244 A2 20150212 - MARZOLI MACHINES TEXTILE SRL [IT]
- [Y] CN 2837317 Y 20061115 - TONGLING SONGBAO MACHINERY CO [CN]
- [Y] CN 102031603 A 20110427 - CHANGZHOU TONGHE TEXTILE MACHINERY MANUFACTURE CO LTD
- [Y] CN 201670913 U 20101215 - CHANGZHOU TONGHE TEXTILE MACHINERY MANUFACTURE CO LTD
- [Y] TW 200407474 A 20040516 - TOYOTA JIDOSHOKKI KK [JP]
- [Y] CN 201952547 U 20110831 - CHANGZHOU TONGHE TEXTILE MACHINERY MANUFACTURE CO LTD
- [Y] CN 201265059 Y 20090701 - YIGANG CHEN [CN]
- [Y] CN 201400736 Y 20100210 - YIGANG CHEN
- [Y] CN 201180176 Y 20090114 - SHIJIAZHUANG CHANGSHAN HENGXIN [CN]
- [YD] CN 101831733 A 20100915 - YANCHENG XINTIAN TEXTILE MACHINERY PLANT
- [XI] GB 1190527 A 19700506 - PIRELLI [IT]
- [Y] DE 102007003158 A1 20080724 - SIPRA PATENT BETEILIGUNG [DE]
- [Y] DE 19907905 A1 20000831 - SKF TEXTILMASCH KOMPONENTEN [DE]
- [Y] DE 3908584 A1 19900920 - STAHLCKER FRITZ [DE], et al
- [Y] DE 4139524 A1 19930609
- [Y] CN 204332241 U 20150513 - STATE GRID CORP CHINA, et al
- [Y] WO 2012136284 A1 20121011 - COMELZ SPA [IT], et al

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 3124659 A2 20170201; EP 3124659 A3 20170322; CN 106337220 A 20170118; DE 102015111133 A1 20170112

DOCDB simple family (application)

EP 16178032 A 20160705; CN 201610521195 A 20160705; DE 102015111133 A 20150709