

Title (en)
FALSE TWIST DEVICE FOR AN OPEN-END SPINNING DEVICE

Title (de)
FALSCHDRALLVORRICHTUNG FÜR EINE OFFENENDSPINNVORRICHTUNG

Title (fr)
DISPOSITIF DE FAUSSE TORSION POUR UN DISPOSITIF DE FILAGE A BOUT LIBRE

Publication
EP 2947187 B1 20190807 (DE)

Application
EP 15168098 A 20150519

Priority
DE 102014107181 A 20140521

Abstract (en)
[origin: CN105088434A] A false twist device (17) for an open-end spinning device (1) to introduce a false twist in a yarn (7) has a largely tubular carcass (20) and several false twist edges (19) arranged behind one another in yarn draw-off direction (G) and inclined by an angle (α) in the carcass (20) with regard to the yarn draw-off direction (G). The several false twist edges (19) protrude in such a way into the interior of the tubular carcass (20) that the yarn (7) experiences a deflection in each one of the false twist edges (19). Additionally, the several false twist edges (19) are arranged offset in such a way in the carcass (20) in circumferential direction that the yarn (7) simultaneously experiences a spatial deflection compared to its regular yarn draw-off direction (G) through the successive deflections on the several false twist edges (19). An open-end spinning device (1) of a rotor spinning machine (2) with a yarn draw-off nozzle (16) has a false twist device (17) arranged downstream from the yarn draw-off nozzle (16) in yarn draw-off direction (G). In a method for introducing a false twist in a yarn (7) generated in an open-end spinning device (1) of a rotor spinning machine (2), the yarn (7) is drawn off through a yarn draw-off nozzle (16) and pulled through false twist edges (19) in a false twist device (17) arranged downstream from the yarn draw-off nozzle (16), as a result of which the yarn (7) is imparted a false twist. The yarn (7) is exposed to a spatial deflection compared to its regular yarn draw-off direction (G) through the false twist edges (19), in which case an additional false twist is imparted to the yarn (7).

IPC 8 full level
D01H 4/40 (2006.01); **D01H 7/90** (2006.01)

CPC (source: EP US)
D01H 4/40 (2013.01 - EP US); **D01H 7/90** (2013.01 - US)

Citation (examination)

- DE 19718768 A1 19981112 - RIETER INGOLSTADT SPINNEREI [DE]
- DE 3723504 A1 19890126 - SCHLAFHORST & CO W [DE]
- WO 2013117495 A1 20130815 - RIETER AG MASCHF [CH]
- GB 2017167 A 19791003 - ALSACIENNE CONSTR MECA

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