

Title (en)
FALSE TWISTER SPINDLE AND FALSE TWISTER

Title (de)
FALSCHDRALLSPINDEL UND FALSCHDRALLEINHEIT

Title (fr)
BROCHE DE MOULINEUSE DE FAUSSE TORSION ET MOULINEUSE DE FAUSSE TORSION

Publication
EP 3023523 A4 20170322 (DE)

Application
EP 14826264 A 20140701

Priority
• CN 201310306700 A 20130719
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Abstract (en)
[origin: CN104294431A] The invention provides a false twister spindle and a false twister. The false twister spindle comprises a mandrel, a bearing surrounding the mandrel, and a transmission part located on the mandrel, wherein the transmission part and a bearing are spaced in the axial direction of the mandrel. The bearing comprises an outer bearing ring, a first set of rolling elements and a second set of rolling elements, wherein the first set of rolling elements and the second set of rolling elements are located between the outer bearing ring and the mandrel and spaced in the axial direction of the mandrel, the first set of rolling elements are close to the transmission part, the second set of rolling elements are away from the transmission part, a damping ring surrounding the mandrel is installed on the inner circumferential face between the outer bearing ring and the second set of rolling elements, the damping ring is provided with an annular groove with an opening facing the mandrel, and the second set of rolling elements are located between the annular groove and the mandrel. The damping ring is simple in design and can simultaneously achieve the axial damping function and the radial damping function of the mandrel.

IPC 8 full level
D02G 1/06 (2006.01)

CPC (source: CN EP)
D02G 1/04 (2013.01 - CN); **D02G 1/06** (2013.01 - CN EP)

Citation (search report)
• [X] CN 2434317 Y 20010613 - WUXI TEXTILE MACHINERY SPECIAL [CN]
• [I] DE 2936791 A1 19810402 - BARMAG BARMER MASCHF
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• [A] WO 9312280 A1 19930624 - BARMAG BARMER MASCHF [DE]
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• [A] WO 2006005389 A1 20060119 - TEXPARTS GMBH [DE], et al
• [A] DATABASE WPI Week 197416, 1974 Derwent World Patents Index; AN 1974-29877V, XP002766839
• See references of WO 2015007158A1

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