

Title (en)
Yarn twisting spindle device.

Title (de)
Garnzwirnspindelvorrichtung.

Title (fr)
Dispositif de broche à retordre du fil.

Publication
EP 0611841 A1 19940824 (EN)

Application
EP 94102409 A 19940217

Priority
JP 5141393 A 19930217

Abstract (en)
A yarn twisting spindle device comprising two spindles (2,6), having yarn introducing holes (24, 25) formed therein, respectively, and coaxially disposed in an axial line rotatably in opposite directions, for twisting a yarn passed through the introducing holes. An end (2b) of one (2) of the two spindles is formed in a cylindrical portion and has outer annular members (7a) fitted inside thereof. An end (6a) of the other spindle (6) is formed in a shaft portion (6) and has inner annular members (7b) fitted outside thereof. Balls (8) are disposed between both the annular members (7a, 7b) so as to rotatably support the two spindles, and a prohibiting member is disposed for prohibiting revolution of the balls. <IMAGE>

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CPC (source: EP)
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Citation (search report)
• [AD] JP S50135347 A 19751027
• [XD] DATABASE WPI Section Ch Week 7241, Derwent World Patents Index; Class F01, AN 72-66337T

Cited by
CN108547020A; CN105401267A; CN103614824A; CN106948048A; EP0863234A3; EP1452632A3; EP1726693A3; FR2760471A1; EP3029184A1; CN105671707A; WO2018019283A1; US6298648B1; US10781538B2; WO9855675A1

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