

Title (en)  
SPINDLE FOR PRODUCING A YARN

Publication  
**EP 0448950 A3 19911127 (DE)**

Application  
**EP 91102233 A 19910218**

Priority  
DE 4010018 A 19900329

Abstract (en)  
[origin: US5167112A] A spindle assembly of a thread processing machine, such as a cabling or double twisting machine, includes an axially-extending hollow spindle shaft defining a thread passageway, a pot mechanism mounted coaxial with and surrounding the hollow spindle shaft and around which a balloon of thread rotates during thread processing, thread deflection device positioned above the pot mechanism coaxial with the hollow spindle shaft for receiving thread being processed from the rotating balloon of thread and for changing the direction of thread travel from generally radial to axial, and adjustable devices for influencing the mode of operation of the spindle assembly and mounted thereon within the rotating thread balloon formed during thread processing. The improvement is provided of a movable mechanical linkage extending from outside of the rotating thread balloon to within the rotating thread balloon and to the spindle assembly operation influencing devices and mounted for movement to adjust such devices.

IPC 1-7  
**D01H 7/04**; **D01H 7/88**

IPC 8 full level  
**B65H 49/14** (2006.01); **B65H 63/036** (2006.01); **D01H 7/04** (2006.01); **D01H 7/86** (2006.01); **D01H 7/88** (2006.01); **D01H 13/00** (2006.01)

CPC (source: EP US)  
**D01H 7/04** (2013.01 - EP US); **D01H 7/88** (2013.01 - EP US); **D02G 3/285** (2013.01 - EP US)

Citation (search report)  
• [A] DE 2315601 A1 19740620 - RINNELT EHRHARD  
• [A] US 4028870 A 19770614 - KAWASUMI NOBUMITSU, et al

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0448950 A2 19911002**; **EP 0448950 A3 19911127**; CS 9100876 A2 19911112; CZ 279950 B6 19950913; DE 4010018 A1 19911002; DE 4010018 C2 19940414; JP H0625922 A 19940201; US 5167112 A 19921201

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**EP 91102233 A 19910218**; CS 87691 A 19910329; DE 4010018 A 19900329; JP 5901491 A 19910322; US 67456291 A 19910325