

Title (en)  
Spindle

Title (de)  
Spindel

Title (fr)  
Broche

Publication  
**EP 0950736 A3 20010117 (DE)**

Application  
**EP 99107135 A 19990413**

Priority  
• DE 19817314 A 19980418  
• DE 19817315 A 19980418

Abstract (en)  
[origin: EP0950736A2] A two-for-one twisting spindle is fitted with a reciprocating yarn guide (24) that can reach into the bobbin carrier (12). To change the spindle from twisting to winding, the yarn guide tube (26) is moved into the bobbin carrier (12) and a clutch member (21) is moved up by a push rod (19) to transfer the drive from the twisting pot (10) to the bobbin carrier (12).

IPC 1-7  
**D01H 7/86**

IPC 8 full level  
**D01H 7/04** (2006.01); **D01H 1/10** (2006.01); **D01H 7/86** (2006.01); **D01H 7/88** (2006.01)

CPC (source: EP US)  
**D01H 1/105** (2013.01 - EP US); **D01H 7/86** (2013.01 - EP US); **D01H 7/88** (2013.01 - EP US)

Citation (search report)  
• [YA] DE 2404934 A1 19750807 - VNII ISKUSSTWENNOWO WOLOKNA MY [SU], et al  
• [Y] US 2788632 A 19570416 - WILLIAM DEWHIRST  
• [A] GB 767868 A 19570206 - SPINNEREI KARL MARX VEB  
• [A] DE 4010019 A1 19911002 - PALITEX PROJECT CO GMBH [DE]

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0950736 A2 19991020; EP 0950736 A3 20010117**; CN 1234458 A 19991110; CZ 136499 A3 19991117; JP H11315431 A 19991116; US 6244028 B1 20010612

DOCDB simple family (application)  
**EP 99107135 A 19990413**; CN 99107223 A 19990417; CZ 136499 A 19990416; JP 10102799 A 19990408; US 29292699 A 19990416