

Title (en)
Yarn carrier

Title (de)
Garnträger

Title (fr)
Support de fil

Publication
EP 0900759 B2 20060614 (DE)

Application
EP 97115542 A 19970908

Priority
EP 97115542 A 19970908

Abstract (en)
[origin: EP0900759A1] The bobbin has a yarn catch opening (3) with longitudinal walls aligned radially at right angles to the longitudinal axis, with a larger gap between them than the thickness of the yarn. The yarn catch opening (3) extends from the clamping slit (4) at least to the point where a tangent at the circumference of the bobbin intersects with the deepest point (8) of the clamping slit (4) at the transit to the catch opening (3). The depth of the yarn catch opening (3) extends at least to a theoretical straight line (9), which runs from the start of the catch opening (3) at the circumference of the bobbin to the deepest point (8) of the clamping slit (4) at the transit to the catch opening (3). The catch opening (3) has the same depth overall. The bobbin is in a sleeve structure, and the catch opening (3) is a window in the bobbin wall (6). The yarn catch opening (3) extends over 45-60° of the circumference, and the clamping slit (4) lies over at least 90° of the circumference. The yarn catch opening (3) is tapered at the ends with a smooth transit into the opening which, otherwise, has a constant width of 1.0-2.5 mm. The depth of the clamping slit (4) is about 50% of the bobbin wall (6) thickness. The clamping slit (4) width is 0-0.2 mm at half the height when not pressed together. The bobbin forms a yarn reserve (5) at the catch opening (3) and clamping slit (4) zone. The catch opening (3) and clamping slit (4) are formed by the cuts of a circular blade in the circumference of the bobbin. Or the clamping slit (4) is cut by a circular blade, and the window is stamped out in the bobbin wall (6) for the catch opening (3). PAPER - The bobbin sleeve is of cardboard, and the like.

IPC 8 full level
B65H 75/28 (2006.01)

CPC (source: EP)
B65H 75/28 (2013.01); **B65H 2701/31** (2013.01)

Citation (opposition)
Opponent :

- EP 0524545 A1 19930127 - BARMAG BARMER MASCHF [DE]
- US 3103305 A 19630910 - MURRAY HEATHERLY JAMES

Cited by
DE19962033B4

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

DOCDB simple family (publication)
EP 0900759 A1 19990310; EP 0900759 B1 20000809; EP 0900759 B2 20060614; AT E195299 T1 20000815; CZ 278398 A3 19990317; CZ 297942 B6 20070502; DE 59702147 D1 20000914; DK 0900759 T3 20001211; ES 2150726 T3 20001201; GR 3034438 T3 20001229; PL 328340 A1 19990315; SI 0900759 T1 20001231; SK 118598 A3 19990611; SK 284753 B6 20051103; TR 199801736 A2 19990322; TR 199801736 A3 19990322; ZA 988094 B 19990309

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