

Title (en)  
Bobbin holder support structure for winding machines

Title (de)  
Spulenhalter für Garnaufspulmaschinen

Title (fr)  
Dispositif de préhension de bobine en particulier pour des machines de bobinage de fils

Publication  
**EP 1293462 A3 20030903 (FR)**

Application  
**EP 02360266 A 20020913**

Priority  
FR 0112012 A 20010917

Abstract (en)  
[origin: EP1293462A2] The bobbin gripper has two lateral arms (11) with heads on their free ends to engage with a bobbin tube, and their other ends able to move in a supporting slideway (12) and opened and closed by a power cylinder (13). Each arm is connected by a pivot (14) passing through an elongated hole (15) in the arm to the slideway, which has stops (16) to guide and limit the travel of the arms as they open and close. The stops are made in the form of pegs on the slideway fitting into holes in the ends of the arms and having springs that urge the arms towards their open position. The power cylinder is connected by a bracket on its body to one of the arms and by its piston rod to the other one. The slideway is mounted on the bobbin gripper by a central pivot (17) passing through an elongated hole (18).

IPC 1-7  
**B65H 54/553**

IPC 8 full level  
**B65H 54/553** (2006.01); **B65H 54/72** (2006.01); **B65H 54/74** (2006.01)

CPC (source: EP)  
**B65H 54/553** (2013.01); **B65H 54/72** (2013.01); **B65H 54/74** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)  
• [A] FR 2098134 A5 19720303 - ASAHI CHEMICAL IND  
• [A] JP S5167431 A 19760611 - DAIWA SPINNING CO LTD, et al  
• [A] DE 3246314 A1 19840614 - KABEL MASCHINEN BERLIN KMB [DE]  
• [A] GB 2139656 A 19841114 - HOLLINGSWORTH

Cited by  
CN112299133A; CN113562542A

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