

Title (en)  
Workpiece clamp

Title (de)  
Bauteilspanner

Title (fr)  
Dispositif de serrage d'une pièce

Publication  
**EP 0894573 A3 19990428 (DE)**

Application  
**EP 98106229 A 19980406**

Priority  
DE 19732600 A 19970729

Abstract (en)  
[origin: EP0894573A2] The tension rod (16) is operated pneumatically, hydraulically or electrically and has a tension arm (4) which swivels from its tension position (ST) into a prepared position (BP). A rigid lever (11) is connected rotationally secured to the arm by a swivel shaft (7) and a rigid bracket (13) is coupled both to the lever (11) and to the end of the tension rod. The length (L1) between the coupling joints (12,14) is greater than the distance (A) between the coupling joint (12) of the bracket and lever and the longitudinal axis of the tension rod in the prepared position. The coupling joint (14) between bracket and end of tension rod is supported on a roller (17) which rolls on a compulsory guide (18) having a length section (L) running in a straight line parallel to the longitudinal axis (27) of the tension rod in the prepared position. The guide has an end section (23) which is concave with the coupling joint between lever and bracket in its dead centre and which starts before the plane (E-E) running through the coupling joint (12) in dead centre and extending at right angles to a longitudinal axis of the tension rod in prepared position, and which ends behind this plane.

IPC 1-7  
**B25B 5/12**

IPC 8 full level  
**B25B 5/12** (2006.01)

CPC (source: EP US)  
**B25B 5/122** (2013.01 - EP US)

Citation (search report)  
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• [X] EP 0216710 A1 19870401 - GOUSSU FABRICE [FR], et al  
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• [E] EP 0836912 A1 19980422 - ROBOTIC [FR]

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