

Title (en)  
CLAMPING DEVICE AND REGULATING UNIT

Title (de)  
KLEMMVORRICHTUNG UND STELLEINRICHTUNG

Title (fr)  
DISPOSITIF DE SERRAGE ET ENSEMBLE DE REGLAGE

Publication  
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Application  
**EP 02787823 A 20021126**

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Abstract (en)  
[origin: WO03046389A1] The invention relates to a clamping device for a rod (3) which moves in an axial translatable or rotating manner. Said device comprises a housing (2), a clamping sleeve (4) which is axially fixed in said housing, a tensioning piston (5) which can be displaced in the housing embodied as a cylinder, and a spring device for pre-tensioning the piston (5) in the direction of the clamping sleeve (4) in the locking state. Said spring device is embodied as at least one helical plate spring (6, 6', 6'', 19) which, in the event of a fracture, preserves the holding force and the dynamic course of the same. In a first form of embodiment, the at least one helical plate spring (19) is coaxially arranged in relation to the rod (3) to be clamped. In a second form of embodiment, a plurality of helical plate springs (6, 6', 6'') are arranged on the circumference of the rod (3) in such a way that they are parallel to the axis thereof, for the distribution of a pre-tensioning force acting on the spring device.

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